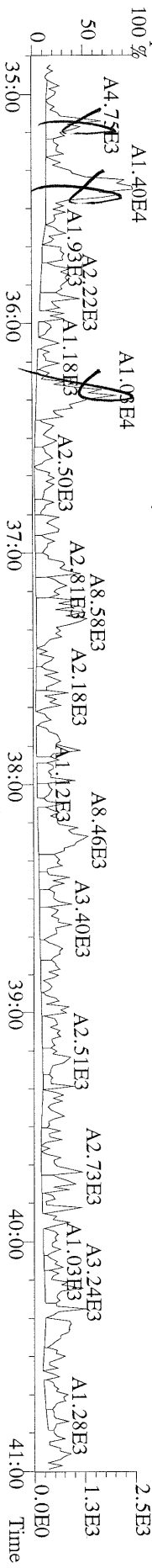
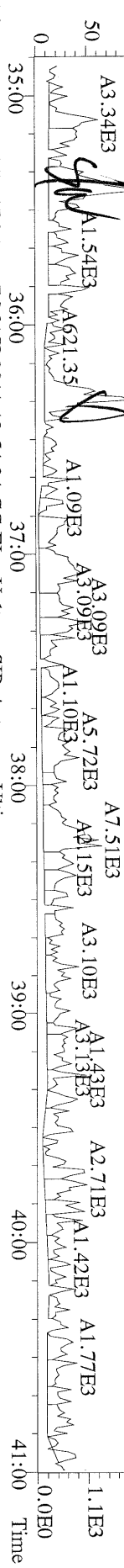


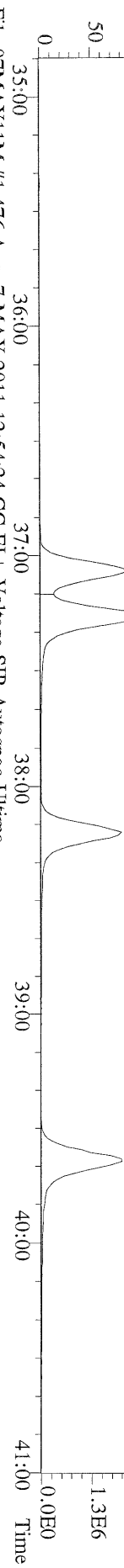
File:07MAY11M #1-476 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory



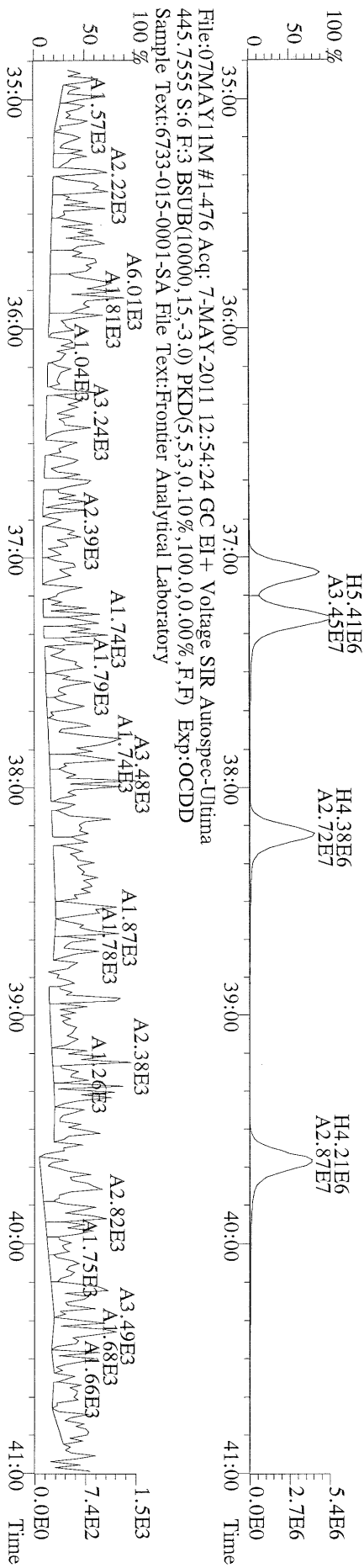
File:07MAY11M #1-476 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
 375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory



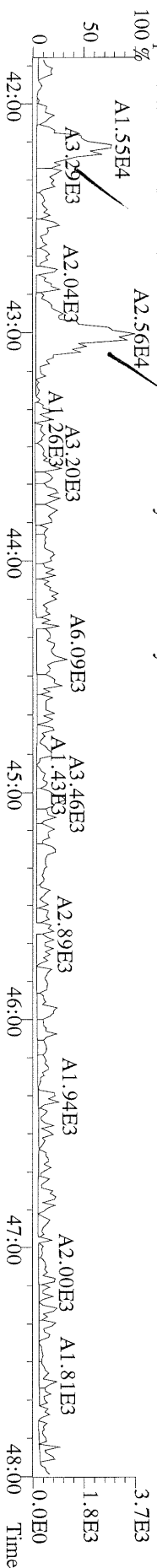
File:07MAY11M #1-476 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory



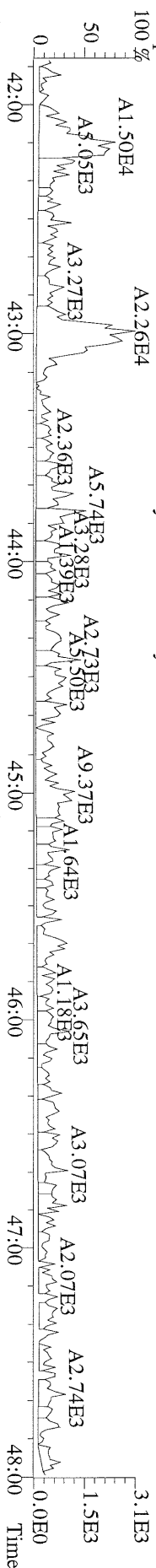
File:07MAY11M #1-476 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory



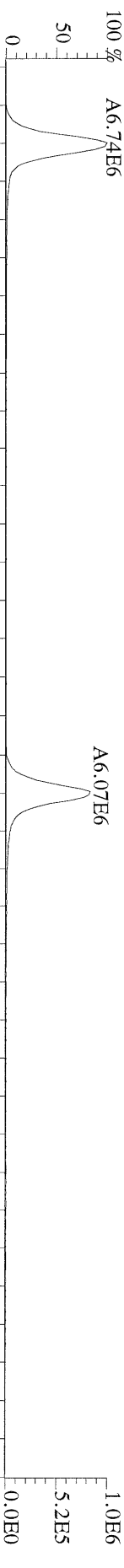
File:07MAY11M #1-541 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory  
100 %



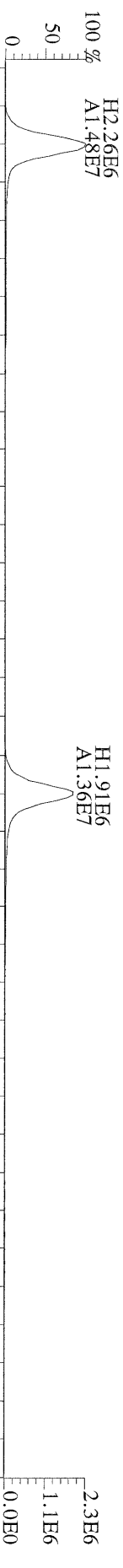
File:07MAY11M #1-541 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory  
100 %



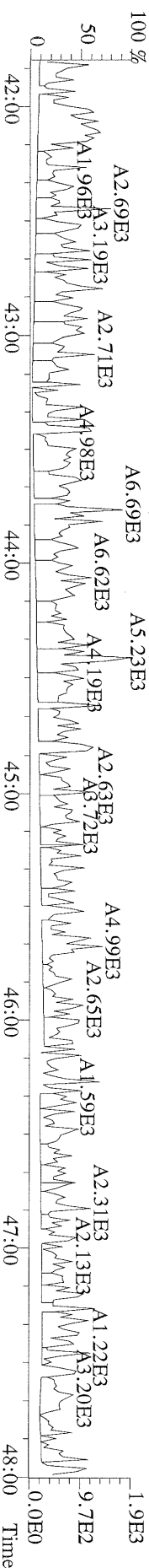
File:07MAY11M #1-541 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory  
100 %



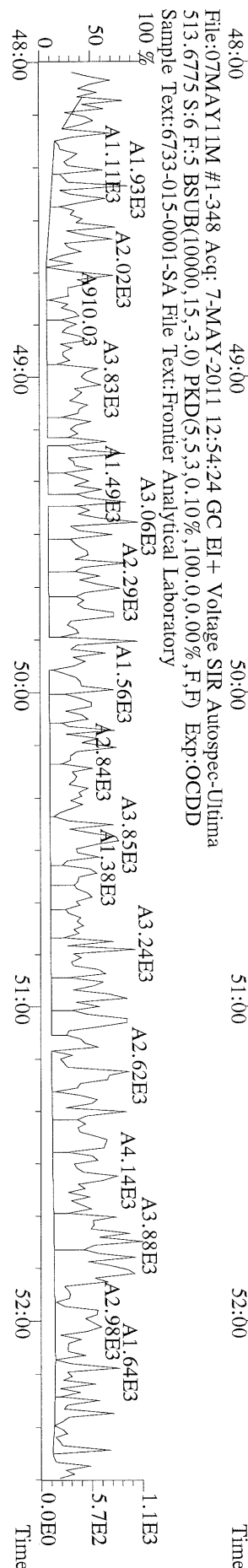
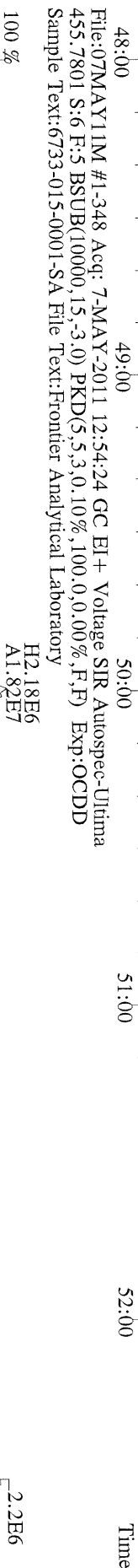
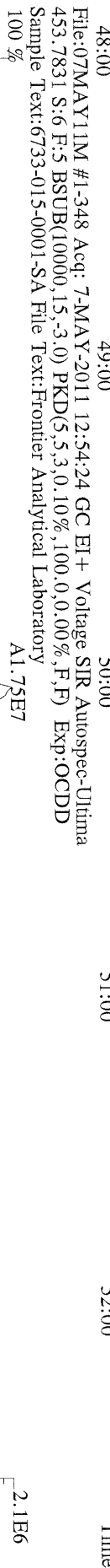
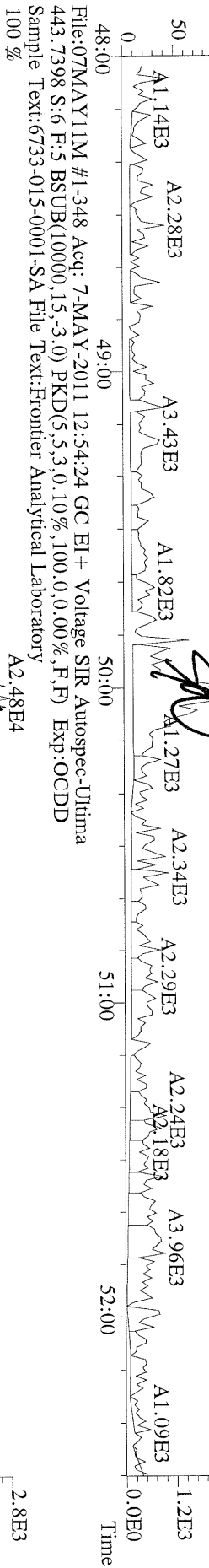
File:07MAY11M #1-541 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory




File:07MAY11M #1-541 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:07MAY11M #1-348 Acq: 7-MAY-2011 12:54:24 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:6 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD  
Sample Text:6733-015-0001-SA File Text:Fronter Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	648	612	0.193	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	740	524	0.278	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	788	672	0.291	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	788	672	0.364	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	788	672	0.320	
1,2,3,4,6,7,8-HpCDD	1.16e+05	0.90 y	44:07	1.30	2.53	J	2.50	-	-	*	
OCDD	4.75e+05	1.01 y	49:41	1.45	18.6		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	776	1080	0.168	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	752	800	0.231	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	752	800	0.243	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.01	*		2.50	484	544	0.177	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	484	544	0.181	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	484	544	0.192	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	484	544	0.184	
1,2,3,4,6,7,8-HpCDF	3.04e+04	1.09 y	42:14	1.48	0.483	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	572	592	0.379	
OCDF	*	* n	NotFnd	0.84	*		2.50	798	935	1.18	
Rec											
13C-2,3,7,8-TCDD	2.37e+07	0.74 y	27:16	1.03	330					83.8	
13C-1,2,3,7,8-PeCDD	2.48e+07	1.77 y	33:06	1.01	350					89.0	
13C-1,2,3,4,7,8-HxCDD	1.91e+07	1.28 y	38:29	1.19	317					80.6	
13C-1,2,3,6,7,8-HxCDD	1.63e+07	1.28 y	38:39	0.94	346					87.9	
13C-1,2,3,4,6,7,8-HpCDD	1.39e+07	1.03 y	44:07	0.83	334					84.9	
13C-OCDD	1.39e+07	0.95 y	49:40	0.61	453					57.5	
13C-2,3,7,8-TCDF	4.12e+07	0.87 y	26:31	0.98	341					86.5	
13C-1,2,3,7,8-PeCDF	3.85e+07	1.71 y	31:21	0.83	376					95.6	
13C-2,3,4,7,8-PeCDF	3.66e+07	1.69 y	32:41	0.80	370					93.9	
13C-1,2,3,4,7,8-HxCDF	3.23e+07	0.47 y	37:05	1.84	348					88.4	
13C-1,2,3,6,7,8-HxCDF	3.95e+07	0.47 y	37:17	2.29	341					86.7	
13C-2,3,4,6,7,8-HxCDF	3.17e+07	0.48 y	38:13	1.86	338					85.8	
13C-1,2,3,7,8,9-HxCDF	3.31e+07	0.48 y	39:40	1.98	331					84.0	
13C-1,2,3,4,6,7,8-HpCDF	1.67e+07	0.45 y	42:12	0.99	336					85.4	
13C-1,2,3,4,7,8,9-HpCDF	1.43e+07	0.46 y	45:02	0.77	370					94.0	
13C-OCDF	2.80e+07	0.95 y	50:01	1.17	476					60.5	
37Cl-2,3,7,8-TCDD	6.12e+06		27:17	0.73	120					76.1	
13C-1,2,3,4-TCDD	2.75e+07	0.74 y	26:41	-	14.3						
13C-1,2,3,4-TCDF	4.86e+07	0.87 y	25:25	-	13.3						
13C-1,2,3,7,8,9-HxCDD	1.99e+07	1.29 y	39:06	-	15.8						
Total Tetra-Dioxins	4.07e+04		25:28	1.13	0.596	J	2.50	-	-	*	1
Total Penta-Dioxins	*		NotFnd	1.02	*		2.50	740	524	0.278	0
Total Hexa-Dioxins	*		NotFnd	1.46	*		2.50	788	672	0.364	0
Total Hepta-Dioxins	2.40e+05		42:44	1.30	5.20		2.50	-	-	*	2
Total Tetra-Furans	3.42e+04		23:41	1.15	0.285	J	2.50	-	-	*	1
1st Fn. Tot Penta-Furans	*		NotFnd	0.89	*		2.50	752	800	0.243 PeCDF	0
Total Penta-Furans	*		NotFnd	0.89	*		2.50	752	800	0.243 *	0
Total Hexa-Furans	*		NotFnd	1.00	*		2.50	484	544	0.192	0
Total Hepta-Furans	6.49e+04		42:14	1.46	1.08	J	2.50	-	-	*	2

Analyst: 

Date: 5/9/11

Totals class: Total Tetra-Dioxins                      Entry #: 38

Run: 19                      File: 07MAY11M                      S: 12 I: 1 F: 1  
Acquired: 7-MAY-11 18:26:38

Total Concentration: 0.596                      Unnamed Concentration: 0.596

RT	mL Resp	m2 Resp RA	Resp	Concentration	Name
25:28	1.74e+04	2.34e+04	0.74 y	4.07e+04	0.596

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 19

File: 07MAY11M

S: 12 I: 1 F: 4

Acquired: 7-MAY-11 18:26:38

Total Concentration: 5.20

Unnamed Concentration: 2.675

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:44	5.82e+04	6.50e+04	0.90 y	1.23e+05	2.68	
44:07	5.52e+04	6.13e+04	0.90 y	1.16e+05	2.53	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 19

File: 07MAY11M

S: 12 I: 1 F: 1

Acquired: 7-MAY-11 18:26:38

Total Concentration: 0.285

Unnamed Concentration: 0.285

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
23:41	1.43e+04	1.99e+04	0.72 y	3.42e+04	0.285

Totals class: Total Hepta-Furans

Entry #: 46

Run: 19

File: 07MAY11M

S: 12 I: 1 F: 4

Acquired: 7-MAY-11 18:26:38

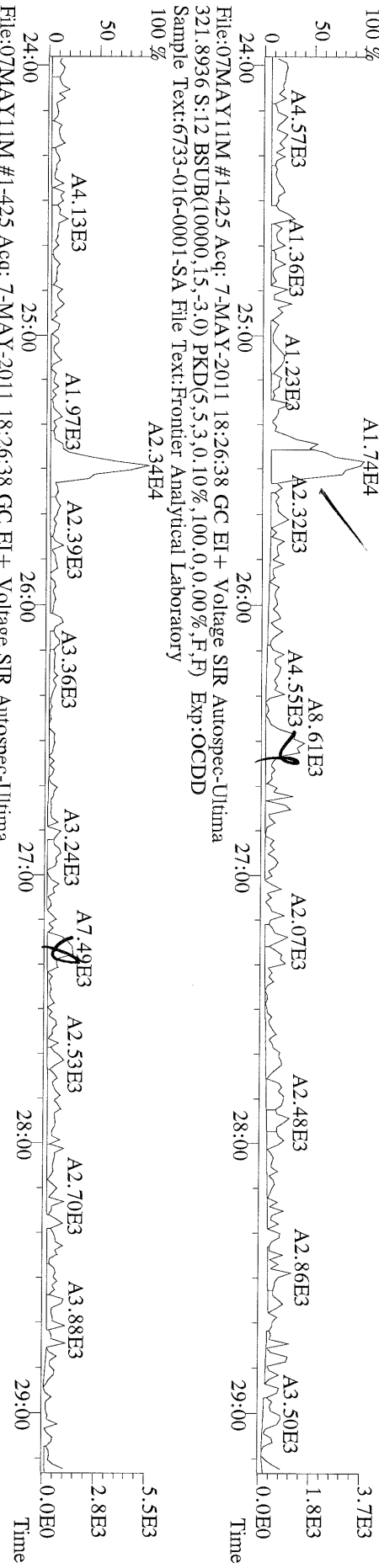
Total Concentration: 1.08

Unnamed Concentration: 0.599

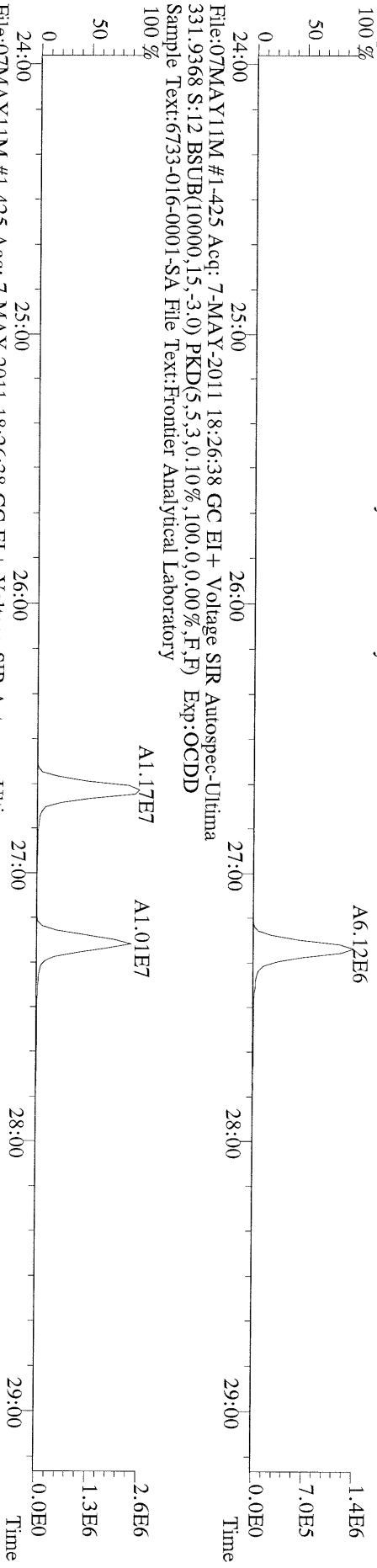
RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:14	1.59e+04	1.45e+04	1.09 y	3.04e+04	0.483	1,2,3,4,6,7,8-HpCDF
43:02	1.63e+04	1.82e+04	0.89 y	3.44e+04	0.599	



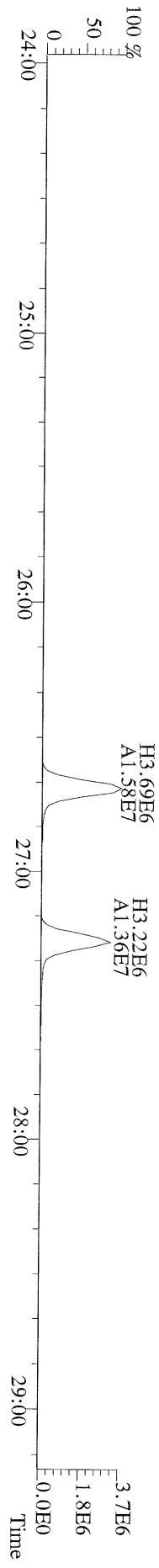
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



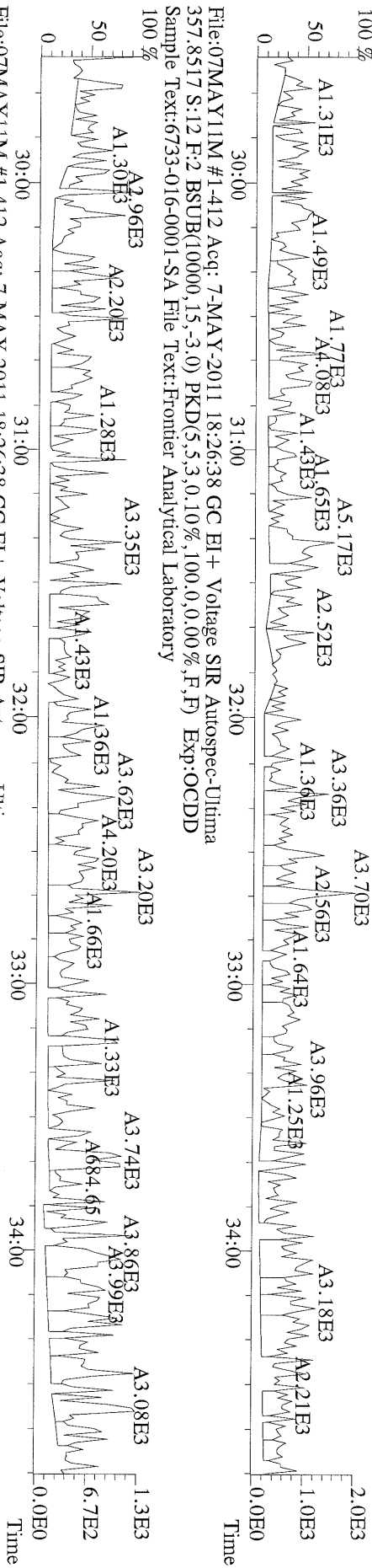
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



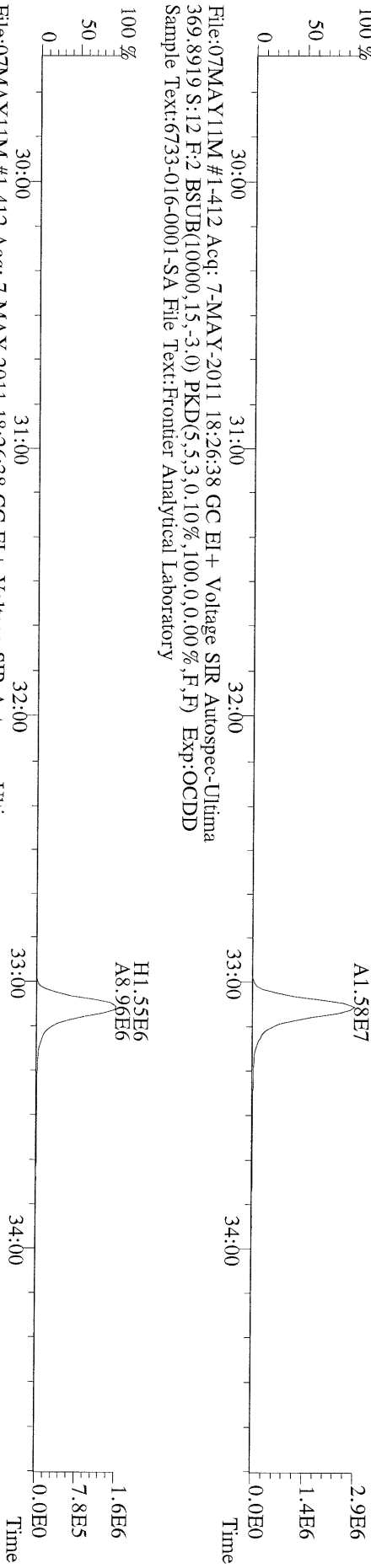
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



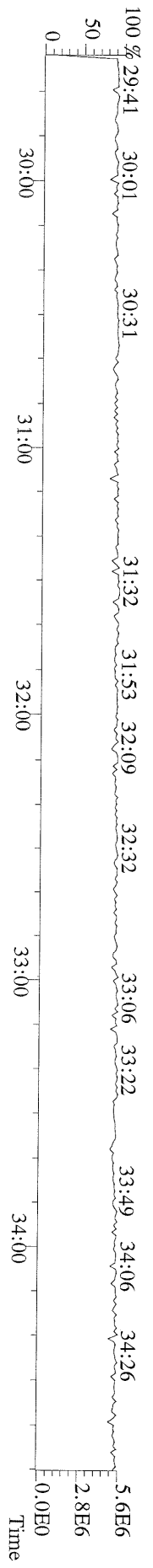
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
 355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00% F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



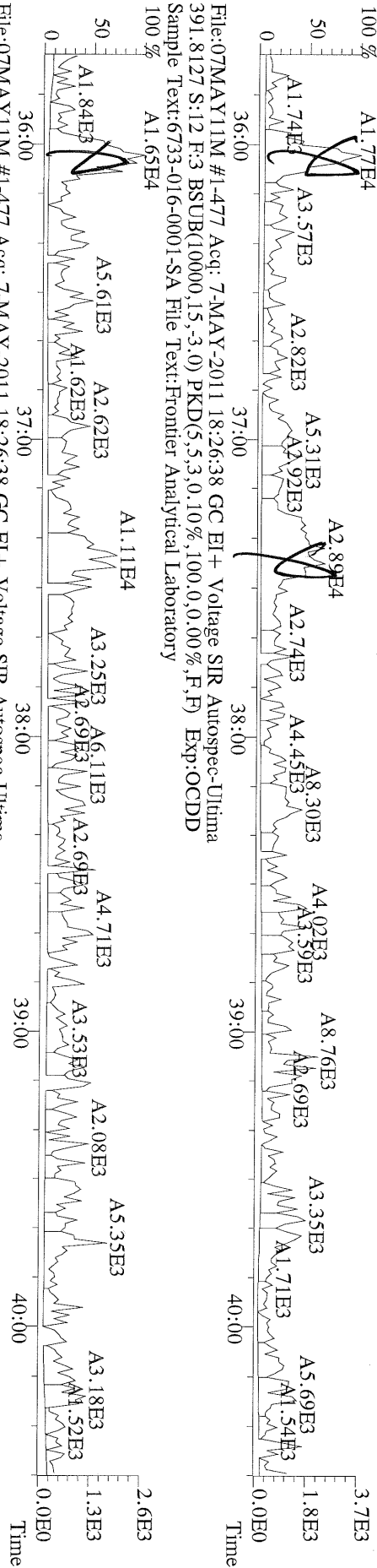
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
 367.8949 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00% F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



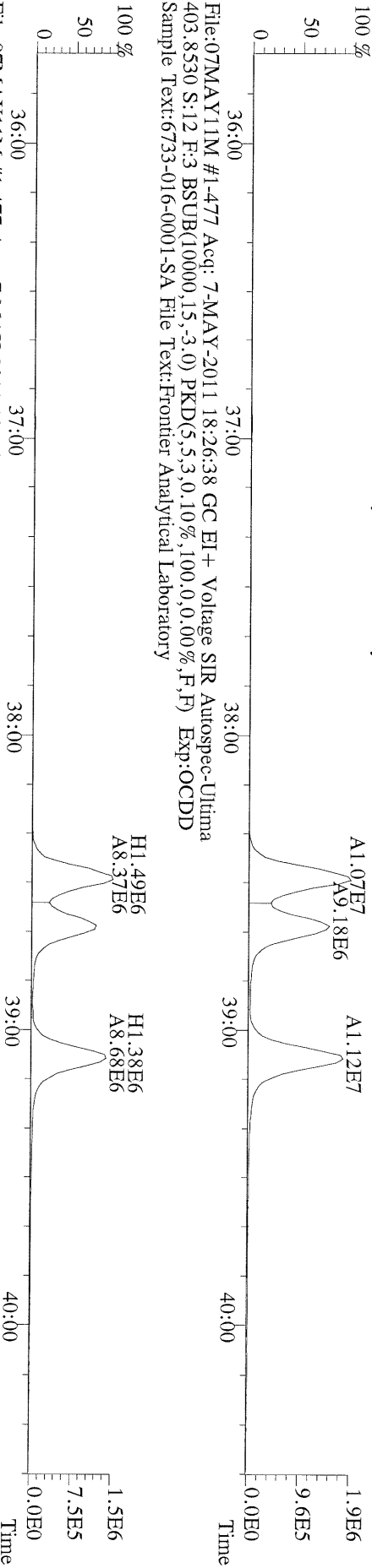
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
 366.9792 S:12 F:2 Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



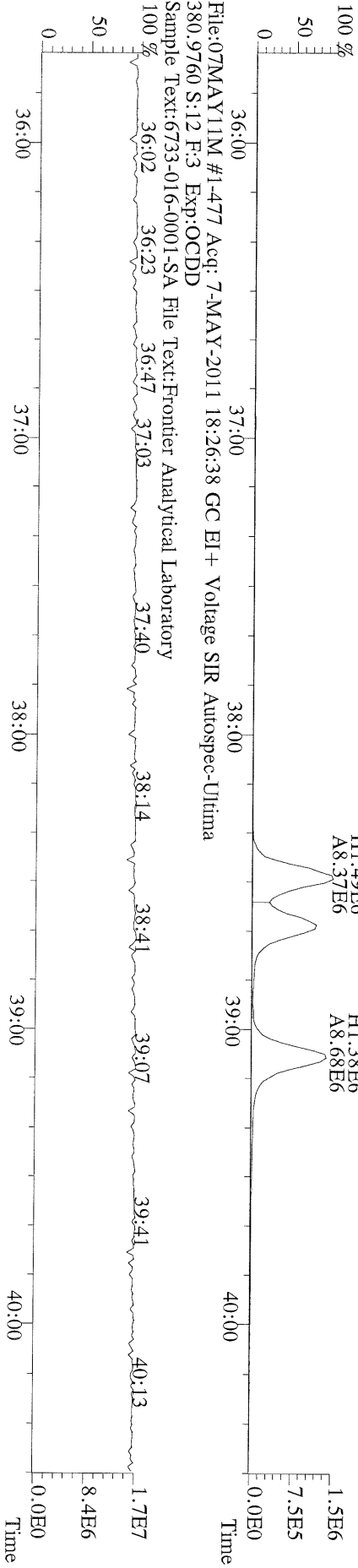
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



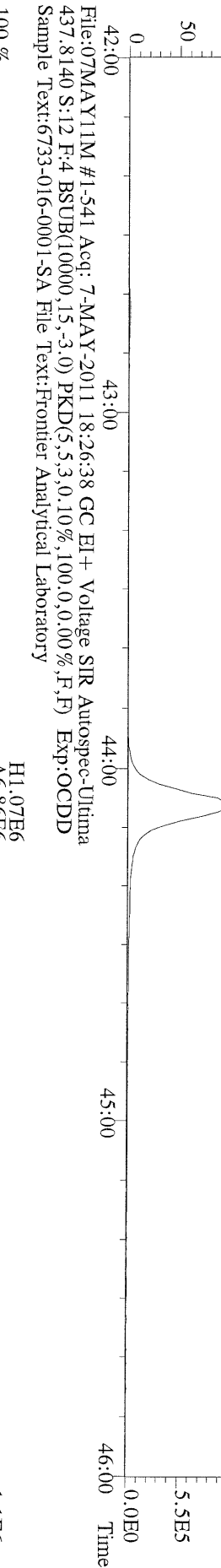
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



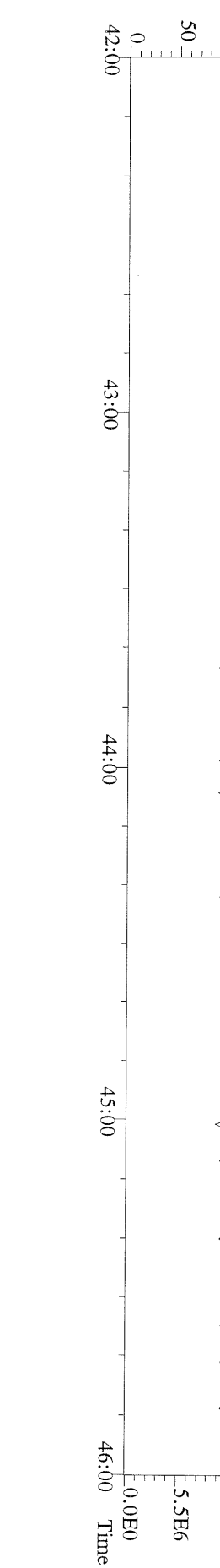
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory  
100%



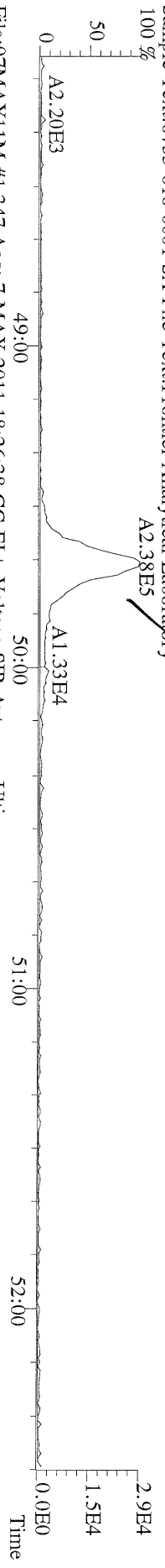
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory  
100%



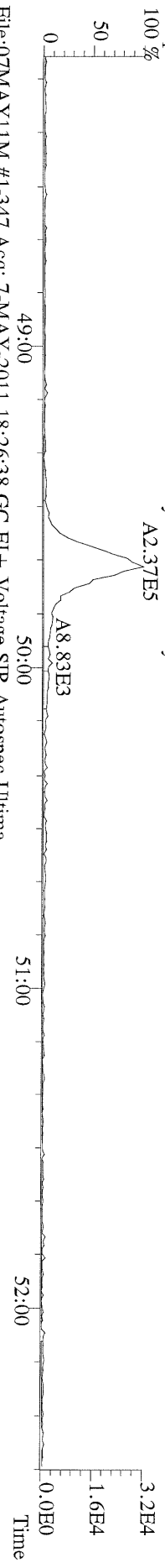
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory  
100%



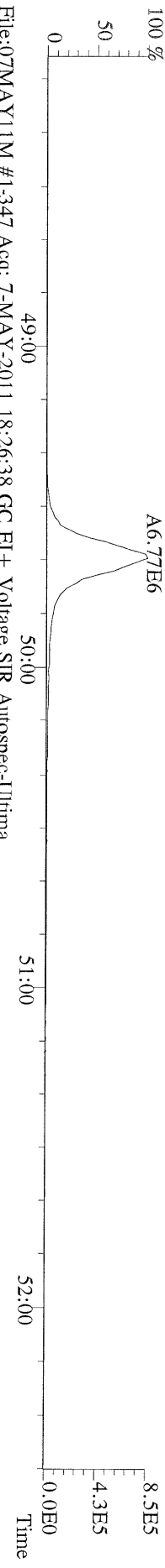
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



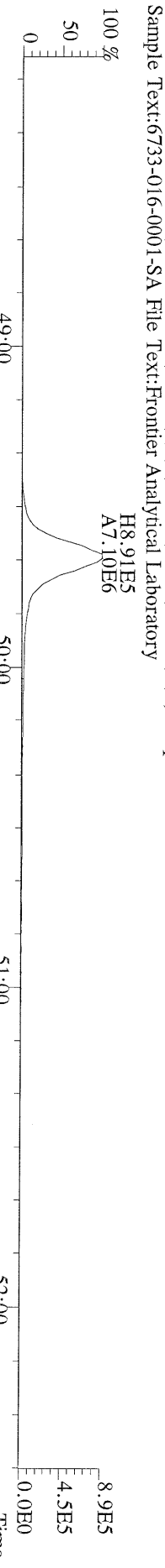
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
459.7348 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



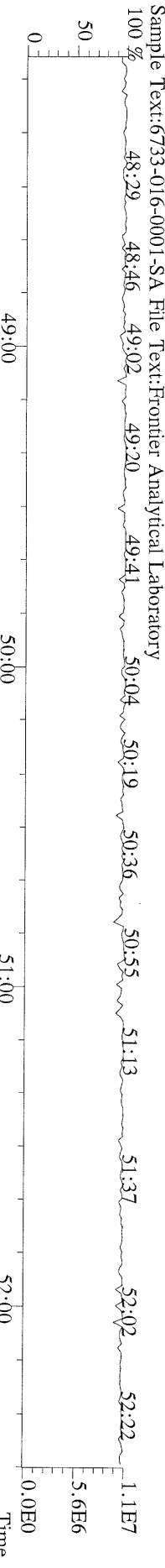
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



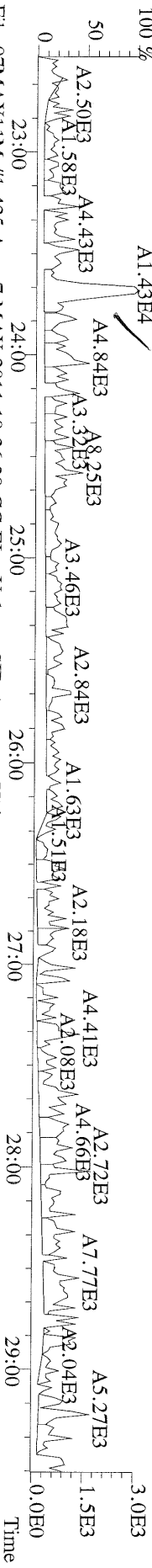
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
471.7750 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



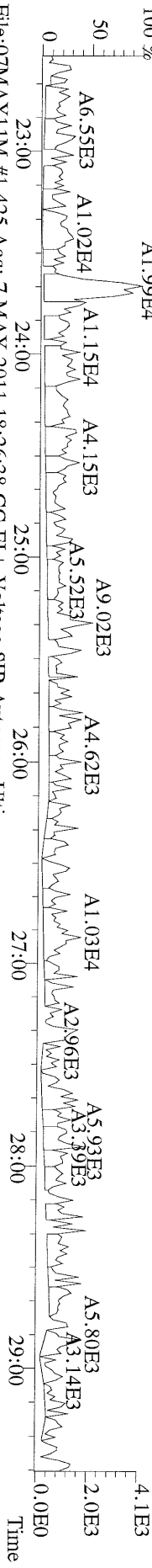
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
454.9728 S:12 F:5 Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



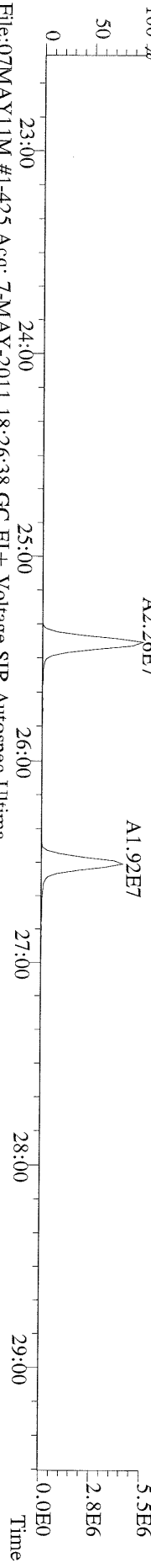
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



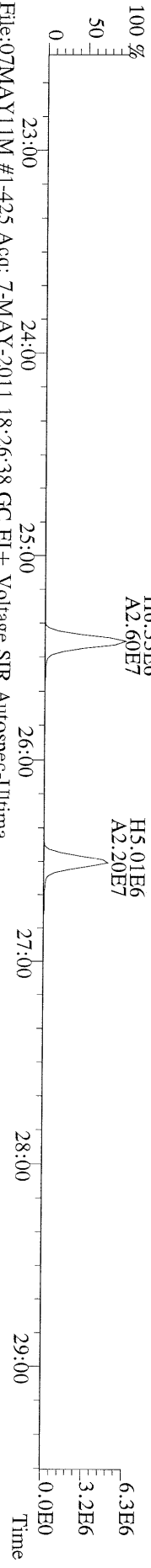
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



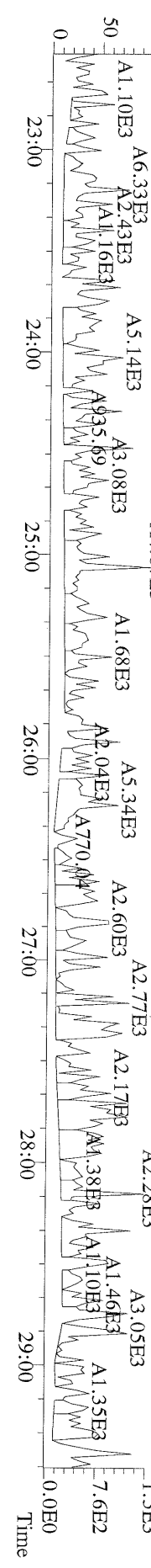
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



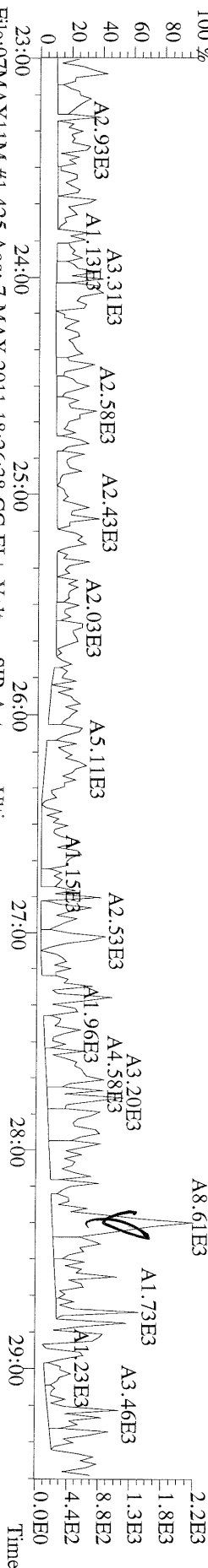
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



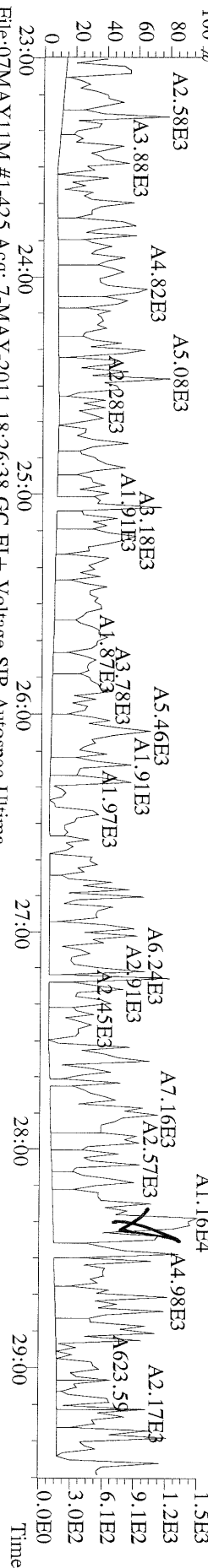
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



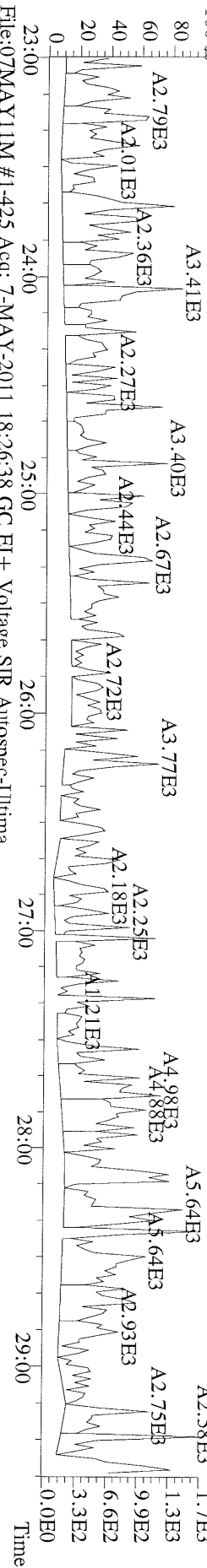
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



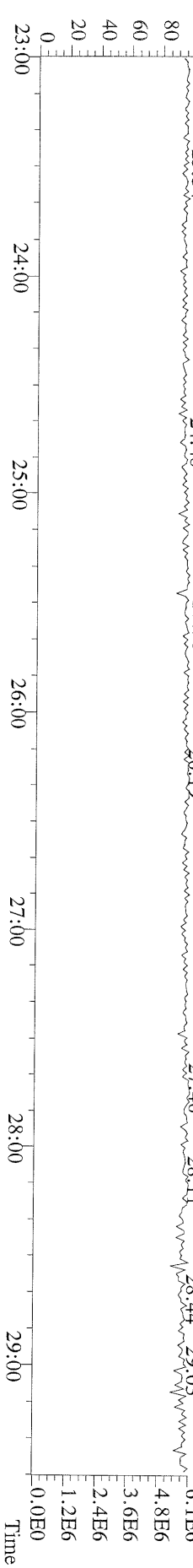
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
 341.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



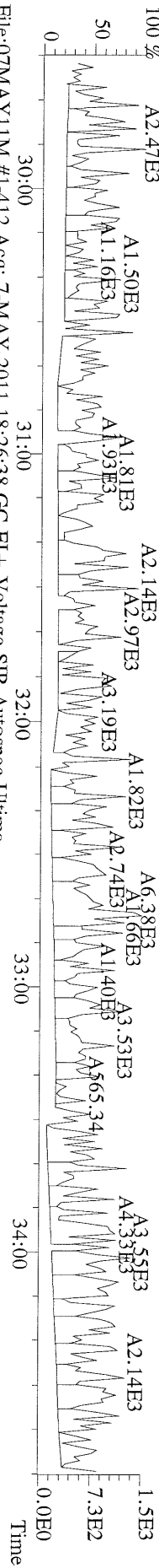
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
 409.7974 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



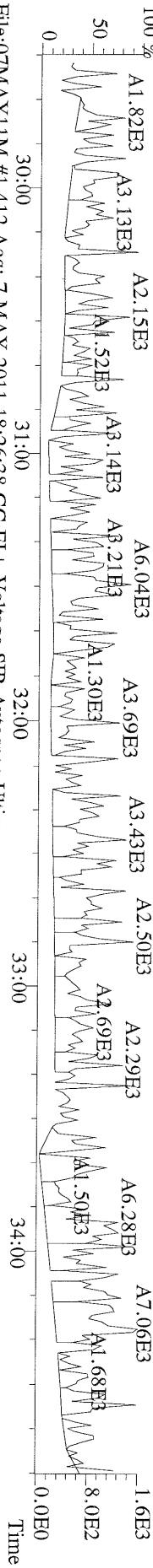
File:07MAY11M #1-425 Acq: 7-MAY-2011 18:26:38 GC EI + Voltage SIR Autospec-Ultima  
 316.9824 S:12 Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



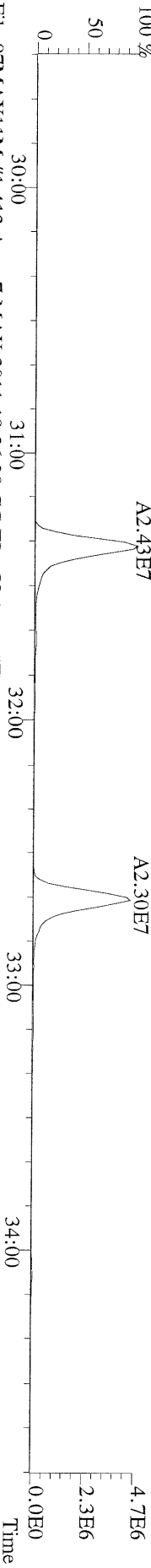
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,I) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



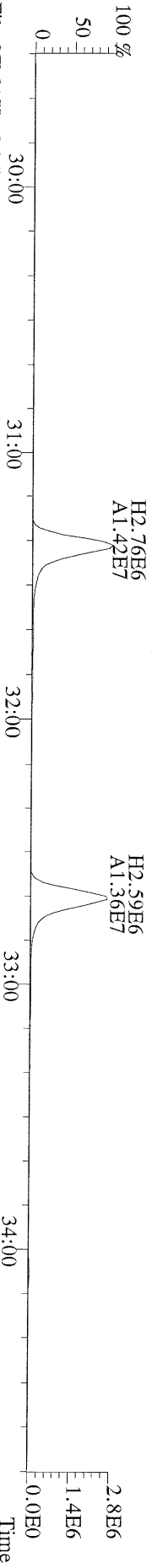
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:12 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,I) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



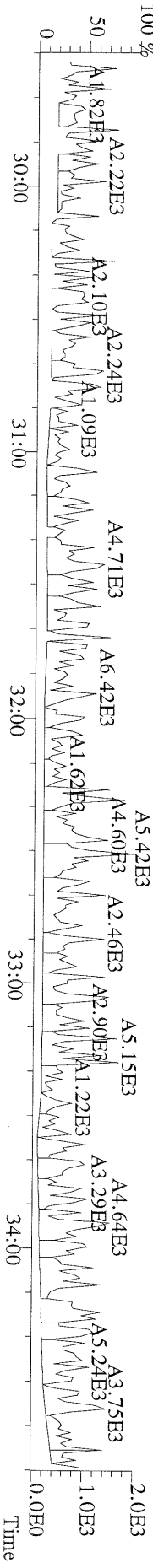
File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:12 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,I) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:12 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,I) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory

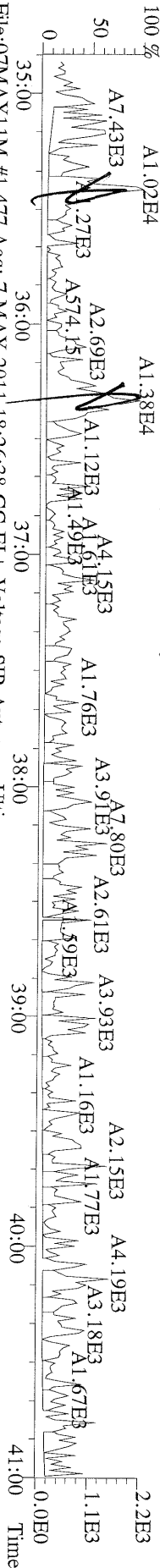


File:07MAY11M #1-412 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:12 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,I) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory

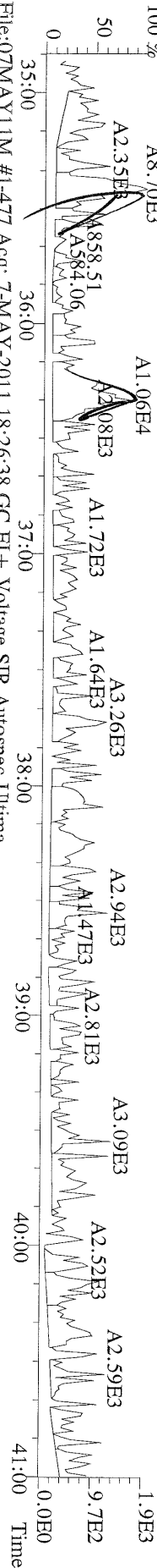




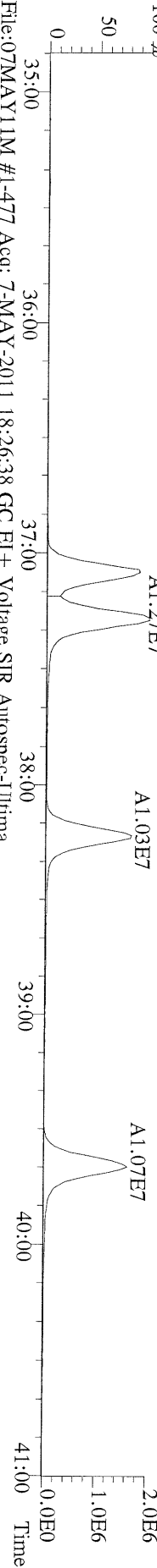
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Utima  
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



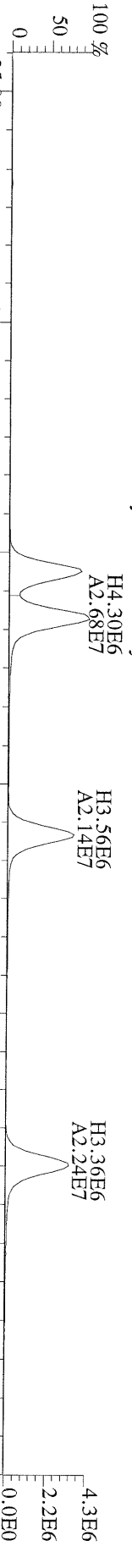
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Utima  
375.8178 S:12 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



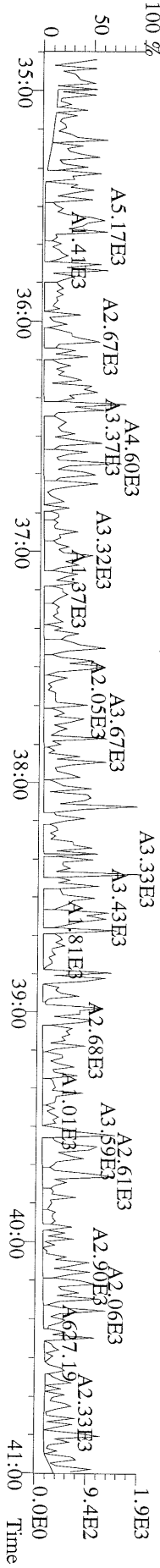
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Utima  
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



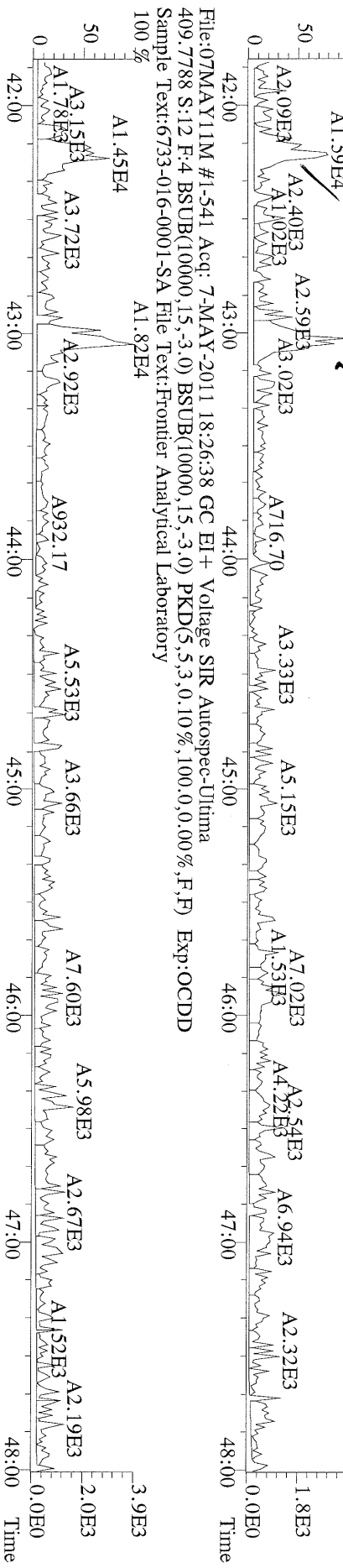
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Utima  
385.8610 S:12 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



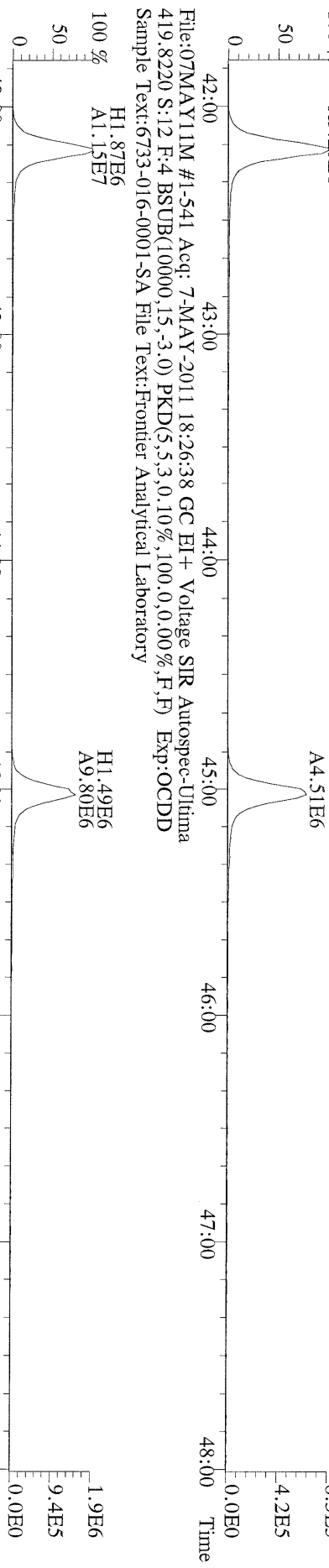
File:07MAY11M #1-477 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Utima  
445.7555 S:12 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



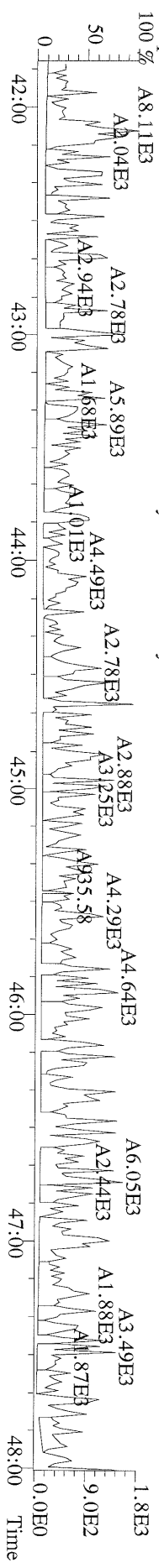
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultime  
 407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



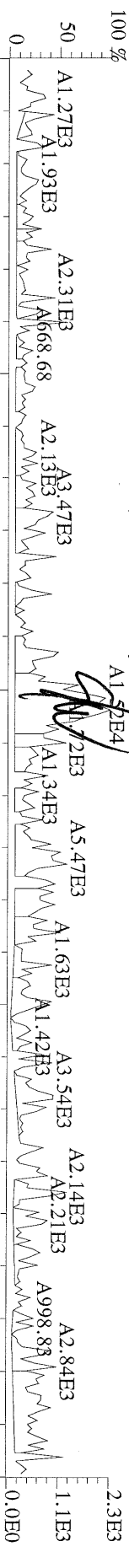
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultime  
 417.8253 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



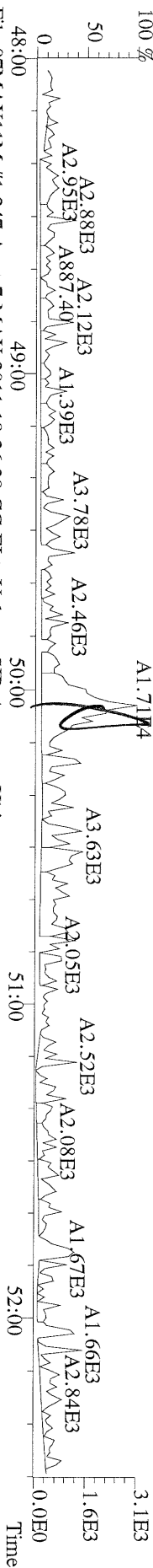
File:07MAY11M #1-541 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultime  
 479.7165 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



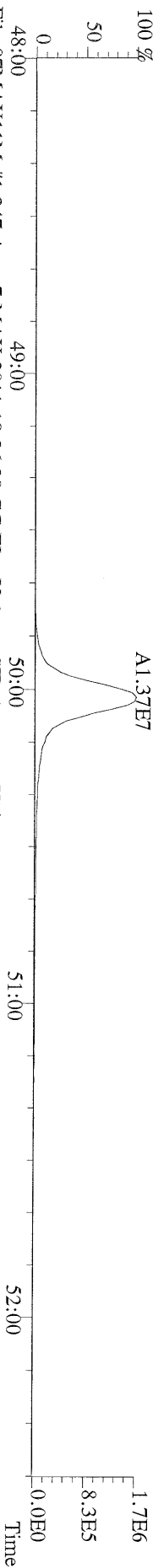
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



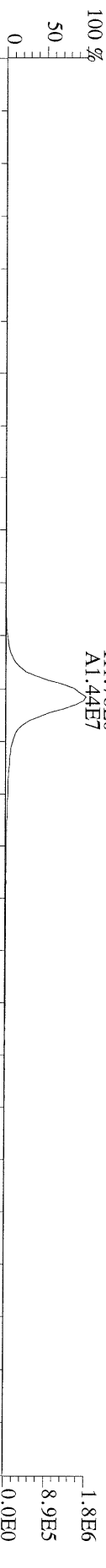
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



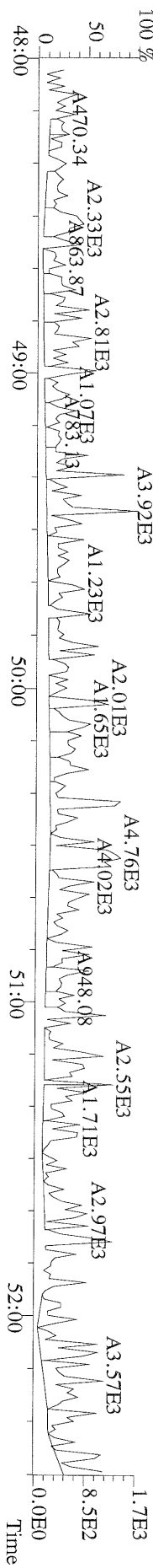
File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-347 Acq: 7-MAY-2011 18:26:38 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-016-0001-SA File Text:Frontier Analytical Laboratory



Results: 6733-10      GC Column: DB5      Amount: 5.010 ✓  
 NATO 1989 Tox: 0.129  
 WHO 1998 Tox: 0.0736      WHO 2005 Tox: 0.0860 ✓  
 Conc      Qual      Fac Noise-1      Noise-2      DL

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	664	624	0.185	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	744	580	0.252	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	878	635	0.261	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	878	635	0.331	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	878	635	0.289	
1,2,3,4,6,7,8-HpCDD	3.24e+05	0.99 y	44:08	1.30	6.18		2.50	-	-	*	
OCDD	1.70e+06	0.93 y	49:40	1.45	61.9		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	808	1080	0.157	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	616	672	0.166	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	616	672	0.176	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.01	*		2.50	584	464	0.155	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	584	464	0.156	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	584	464	0.172	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	584	464	0.160	
1,2,3,4,6,7,8-HpCDF	4.03e+04	0.94 y	42:12	1.48	0.562	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	588	600	0.322	
OCDF	*	* n	NotFnd	0.84	*		2.50	888	1130	1.31	
13C-2,3,7,8-TCDD	2.64e+07	0.73 y	27:15	1.03	386					Rec 96.8	
13C-1,2,3,7,8-PeCDD	2.85e+07	1.74 y	33:05	1.01	424					106	
13C-1,2,3,4,7,8-HxCDD	2.24e+07	1.28 y	38:28	1.19	373					93.5	
13C-1,2,3,6,7,8-HxCDD	1.87e+07	1.29 y	38:38	0.94	397					99.4	
13C-1,2,3,4,6,7,8-HpCDD	1.61e+07	1.04 y	44:06	0.83	387					96.8	
13C-OCDD	1.51e+07	0.96 y	49:39	0.61	494					61.9	
13C-2,3,7,8-TCDF	4.60e+07	0.87 y	26:31	0.98	397					99.5	
13C-1,2,3,7,8-PeCDF	4.47e+07	1.70 y	31:22	0.83	456					114	
13C-2,3,4,7,8-PeCDF	4.27e+07	1.68 y	32:40	0.80	450					113	
13C-1,2,3,4,7,8-HxCDF	3.69e+07	0.48 y	37:05	1.84	398					99.6	
13C-1,2,3,6,7,8-HxCDF	4.54e+07	0.48 y	37:17	2.29	393					98.5	
13C-2,3,4,6,7,8-HxCDF	3.57e+07	0.48 y	38:13	1.86	381					95.5	
13C-1,2,3,7,8,9-HxCDF	3.82e+07	0.48 y	39:39	1.98	382					95.8	
13C-1,2,3,4,6,7,8-HpCDF	1.94e+07	0.46 y	42:11	0.99	389					97.5	
13C-1,2,3,4,7,8,9-HpCDF	1.71e+07	0.45 y	45:00	0.77	444					111	
13C-OCDF	2.98e+07	0.94 y	50:02	1.17	508					63.6	
37Cl-2,3,7,8-TCDD	7.19e+06		27:17	0.73	148					92.8	
13C-1,2,3,4-TCDD	2.65e+07	0.73 y	26:41	-	13.9						
13C-1,2,3,4-TCDF	4.72e+07	0.87 y	25:26	-	13.1						
13C-1,2,3,7,8,9-HxCDD	2.01e+07	1.26 y	39:06	-	16.2						
Total Tetra-Dioxins	6.22e+04		25:31	1.13	0.829	J	2.50	-	-	*	#Hom
Total Penta-Dioxins	*		NotFnd	1.02	*		2.50	744	580	0.252	1
Total Hexa-Dioxins	*		NotFnd	1.46	*		2.50	1370	1200	0.496	0
Total Hepta-Dioxins	5.93e+05		42:44	1.30	11.3		2.50	-	-	*	0
Total Tetra-Furans	5.72e+04		23:42	1.15	0.433	J	2.50	-	-	*	2
1st Fn. Tot Penta-Furans	*		NotFnd	0.89	*		2.50	616	672	0.176 PeCDF	1
Total Penta-Furans	*		NotFnd	0.89	*		2.50	616	672	0.176 *	0
Total Hexa-Furans	6.46e+04		35:25	1.00	0.660	J	2.50	-	-	*	0
Total Hepta-Furans	8.68e+04		42:12	1.46	1.26	J	2.50	-	-	*	2

Analyst:           Date: 5/9/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 20

File: 07MAY11M

S: 13 I: 1 F: 1

Acquired: 7-MAY-11 19:21:57

Total Concentration: 0.829

Unnamed Concentration: 0.829

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
25:31	2.81e+04	3.40e+04	0.83	y	6.22e+04	0.829

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 20

File: 07MAY11M

S: 13 I: 1 F: 4

Acquired: 7-MAY-11 19:21:57

Total Concentration: 11.3

Unnamed Concentration: 5.126

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:44	1.27e+05	1.42e+05	0.89 y	2.69e+05	5.13	
44:08	1.61e+05	1.63e+05	0.99 y	3.24e+05	6.18	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 20

File: 07MAY11M

S: 13 I: 1 F: 1

Acquired: 7-MAY-11 19:21:57

Total Concentration: 0.433

Unnamed Concentration: 0.433

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:42	2.40e+04	3.32e+04	0.72 y	5.72e+04	0.433	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 20

File: 07MAY11M

S: 13 I: 1 F: 3

Acquired: 7-MAY-11 19:21:57

Total Concentration: 0.660

Unnamed Concentration: 0.660

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:25	1.71e+04	1.21e+04	1.41 y	2.92e+04	0.299	
36:18	1.95e+04	1.58e+04	1.23 y	3.53e+04	0.361	



Totals class: Total Hepta-Furans

Entry #: 46

Run: 20

File: 07MAY11M

S: 13 I: 1 F: 4

Acquired: 7-MAY-11 19:21:57

Total Concentration: 1.26

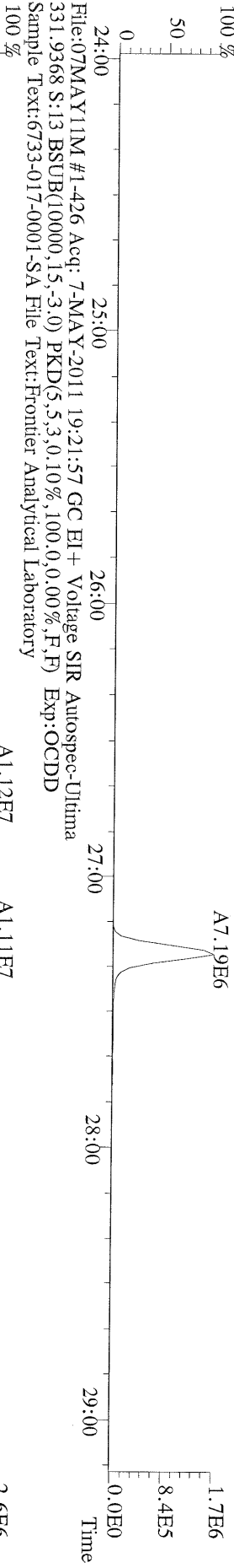
Unnamed Concentration: 0.698

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:12	1.96e+04	2.08e+04	0.94 y	4.03e+04	0.562	1,2,3,4,6,7,8-HpCDF
43:01	2.42e+04	2.23e+04	1.09 y	4.65e+04	0.698	

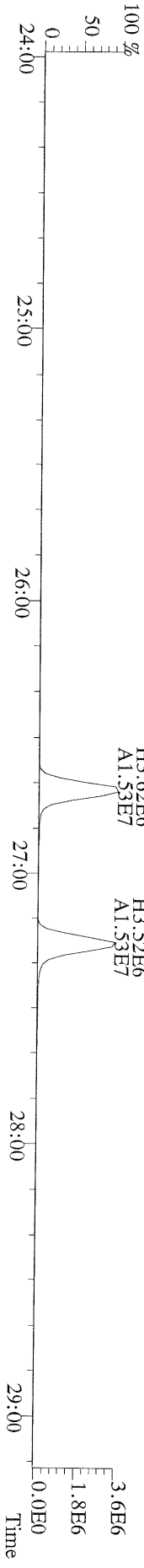
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



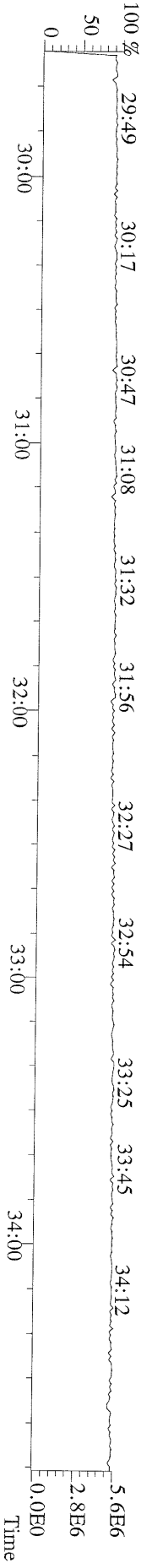
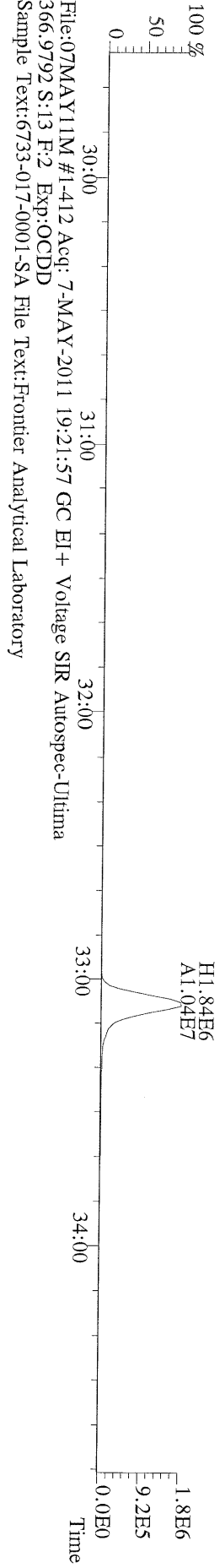
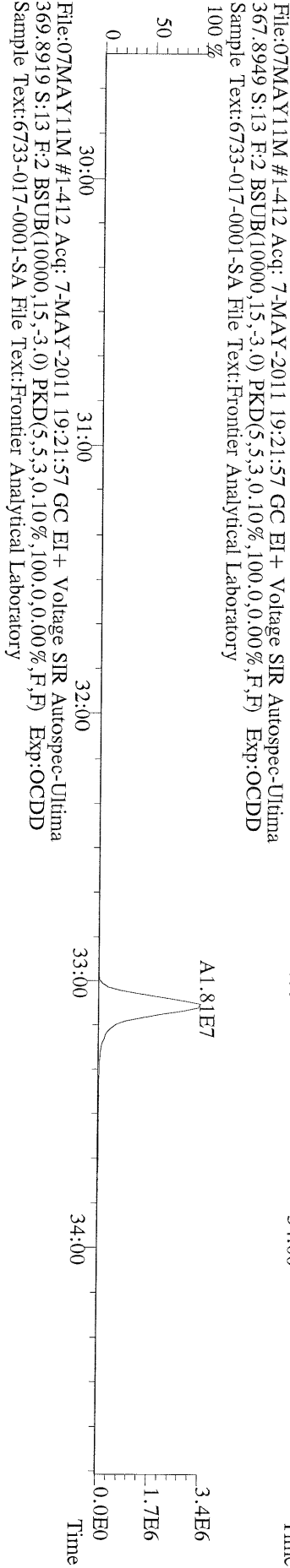
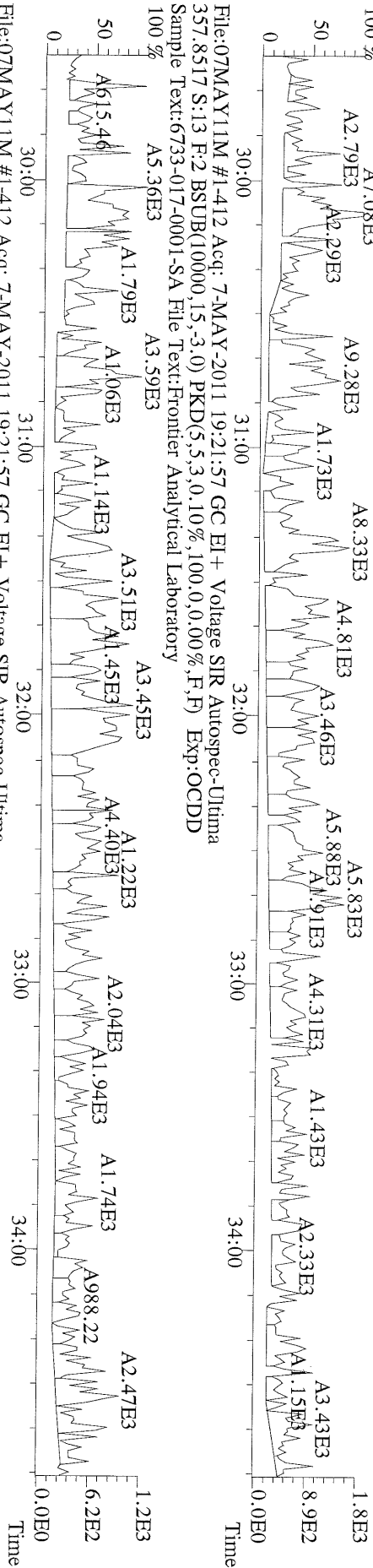
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



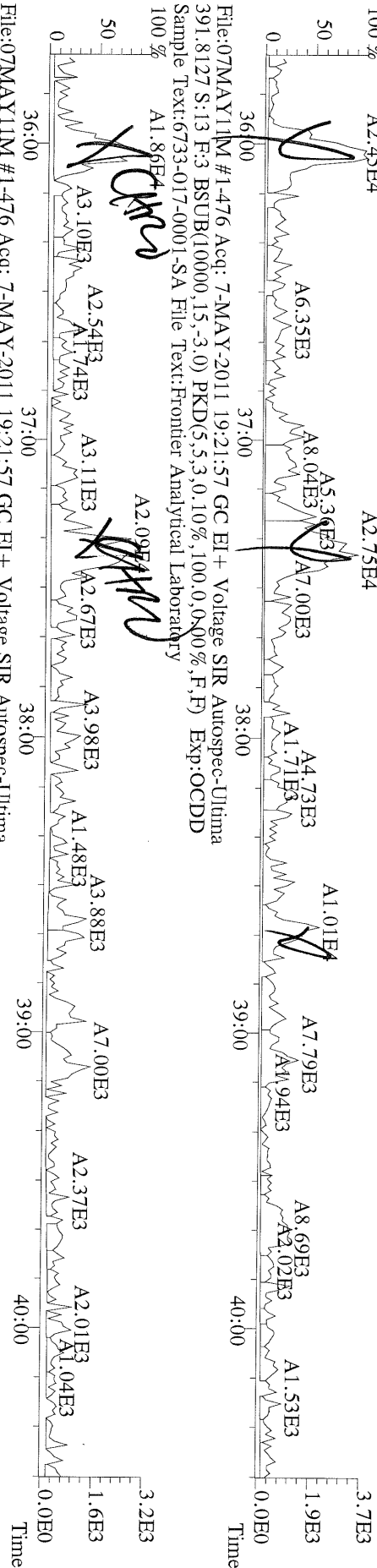
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



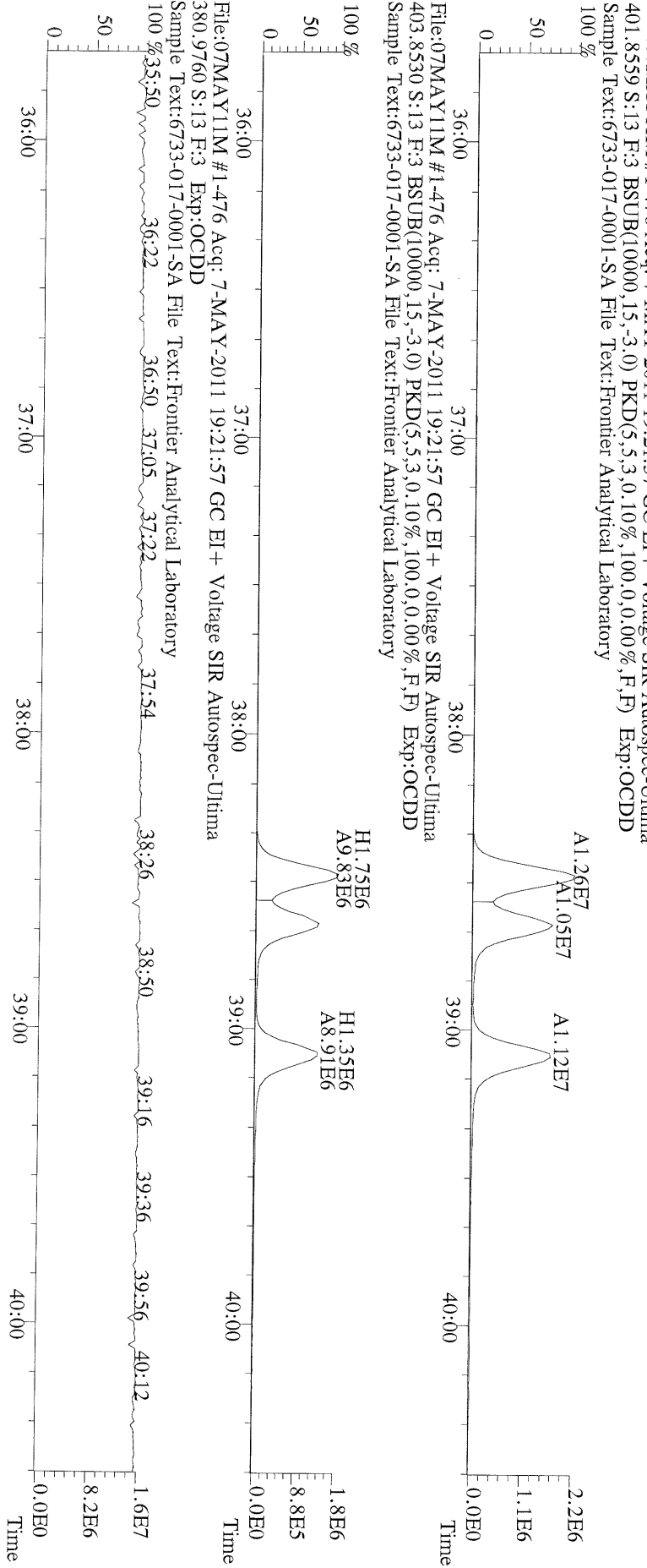
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
 355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



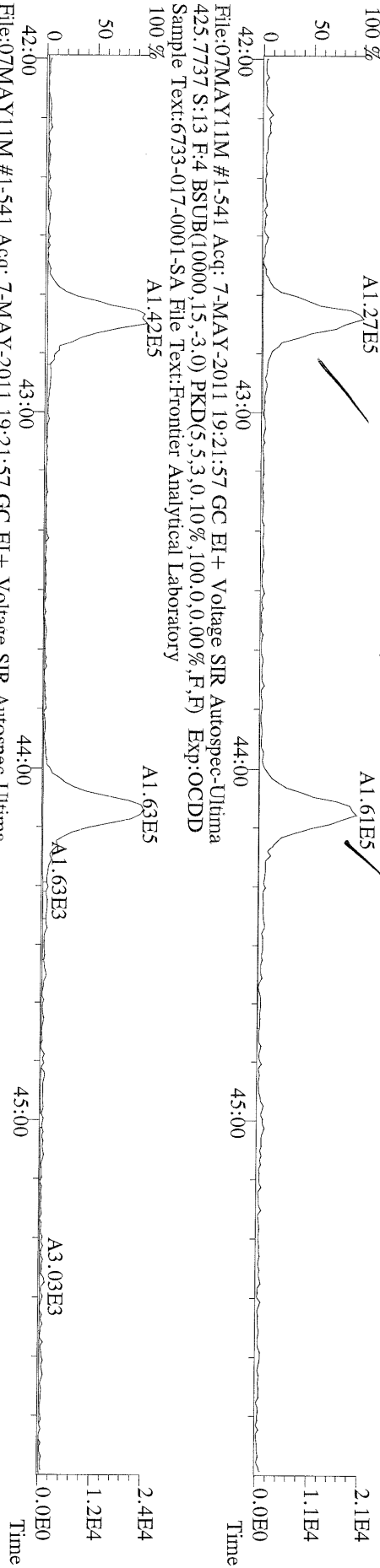
File:07MAY11M #1-476 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100 % A2.45E4 A2.75E4



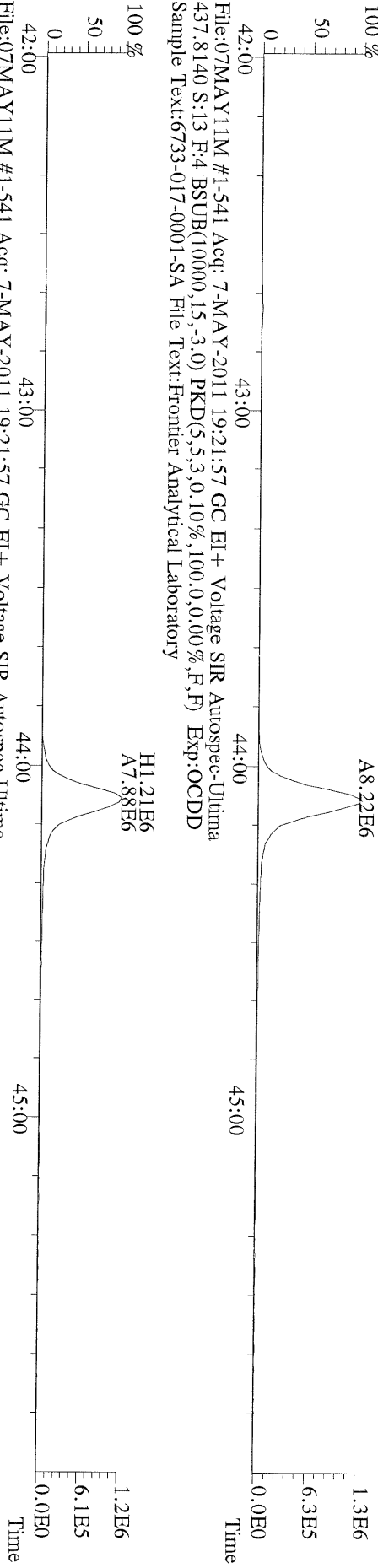
File:07MAY11M #1-476 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100 %



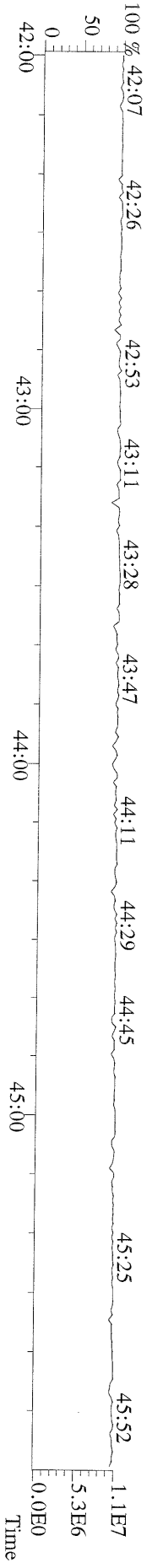
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100 %



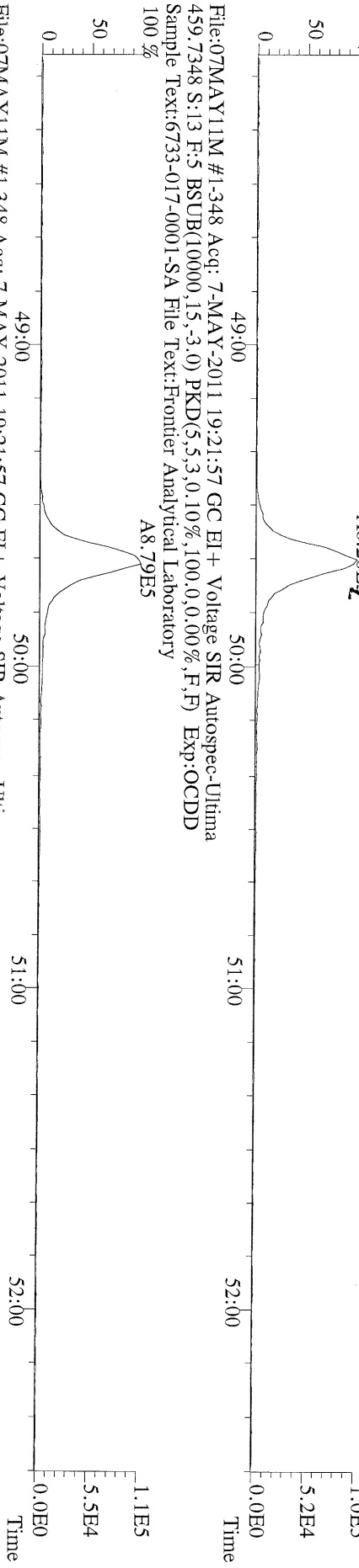
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100 %



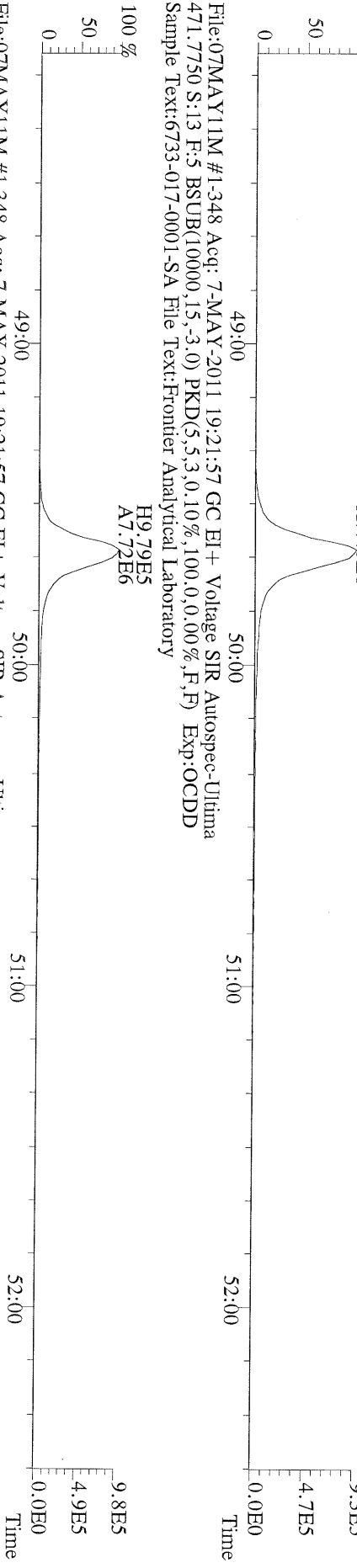
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:13 F:4 Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



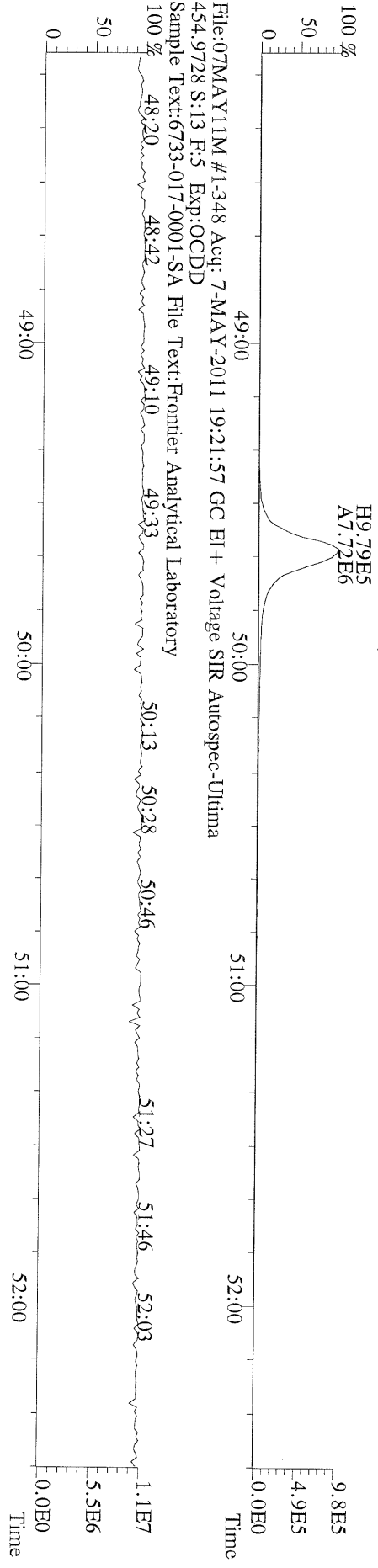
File:07MAY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100% A8.20E5



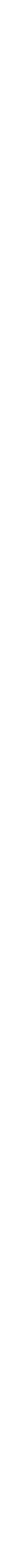
File:07MAY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100% A7.40E6



File:07MAY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100% H9.79E5  
A7.72E6



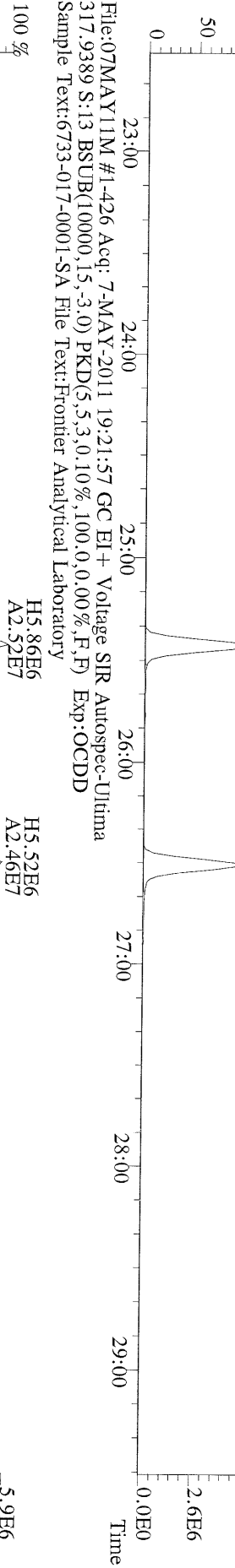
File:07MAY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:13 F:5 Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory  
100% 48:20 48:42 49:10 49:33 50:13 50:28 50:46 51:27 51:46 52:03



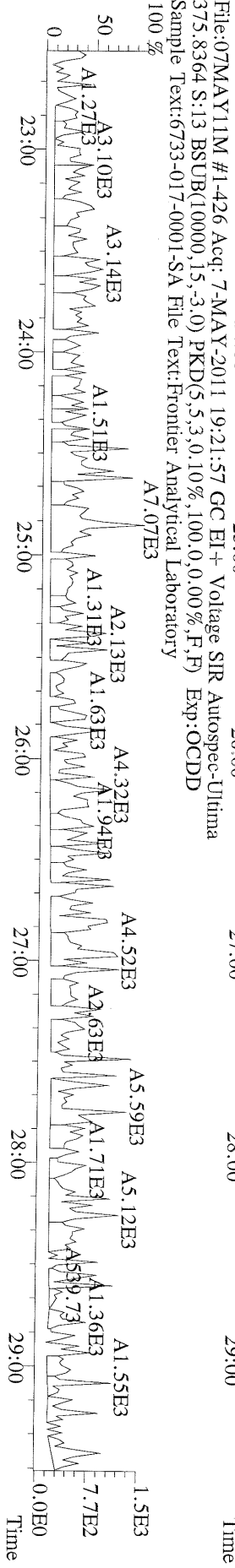
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:13 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



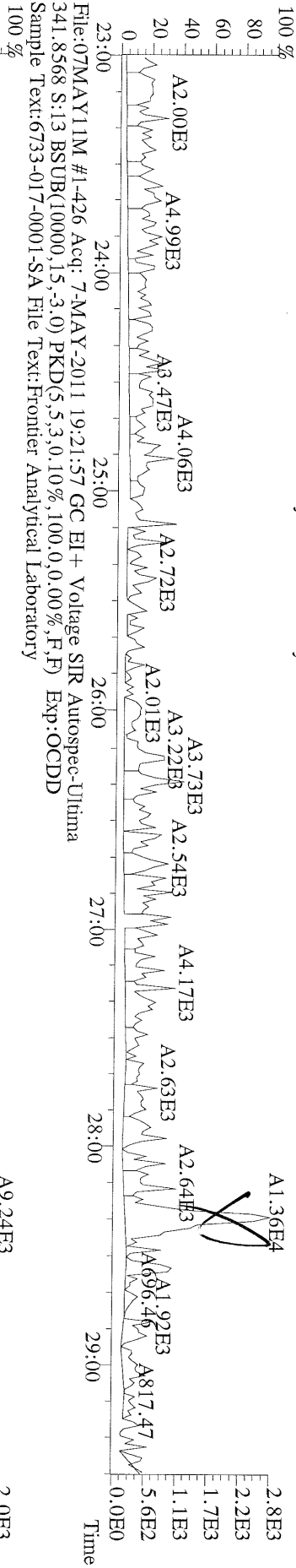
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
315.9419 S:13 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



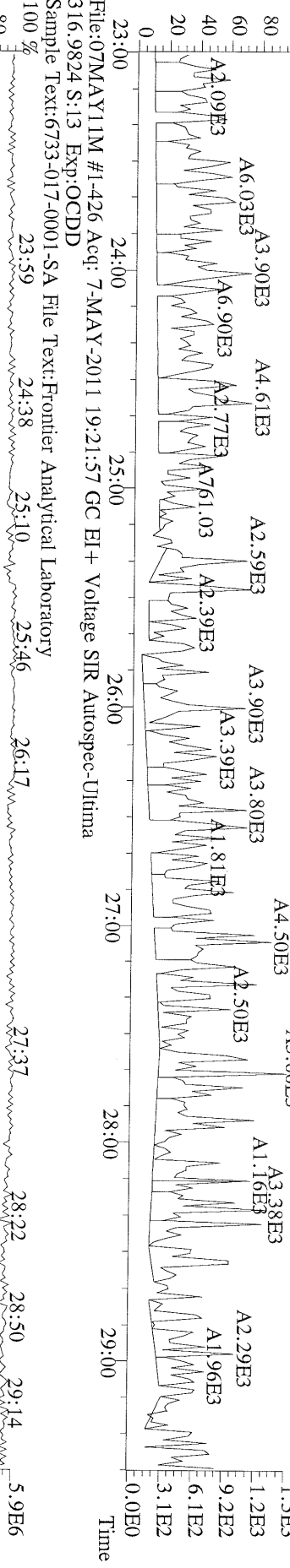
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 S:13 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



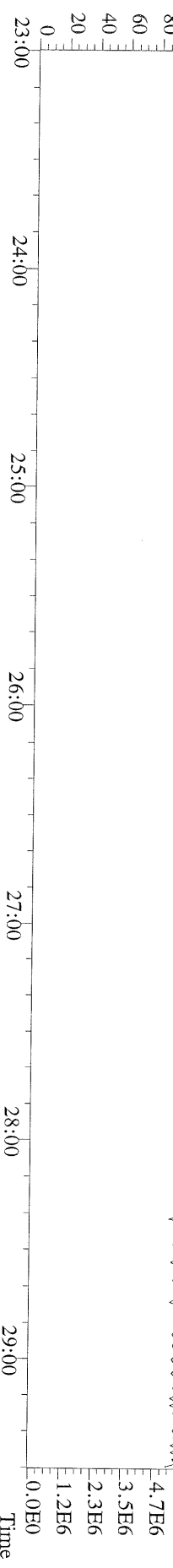
File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:13 BSUB(10000.15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:13 BSUB(10000.15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory

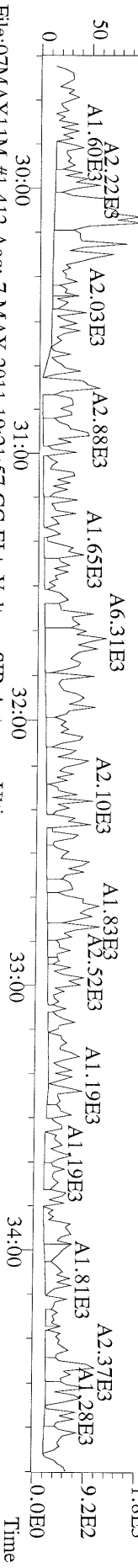


File:07MAY11M #1-426 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 316.9824 S:13 Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory

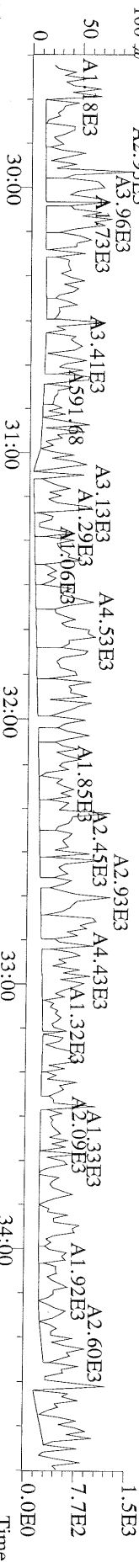




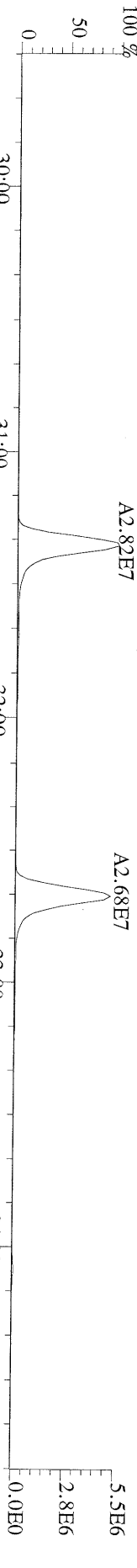
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:13 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



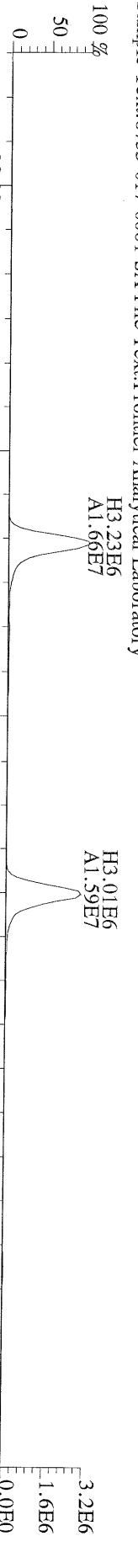
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:13 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



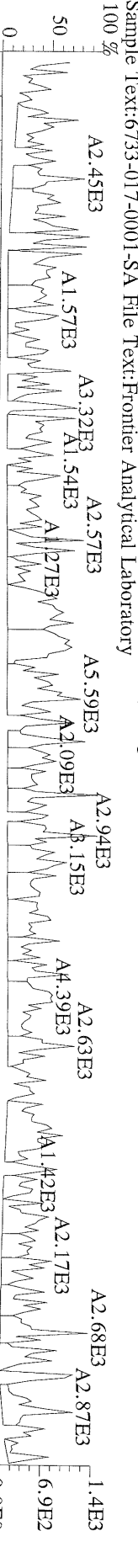
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:13 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



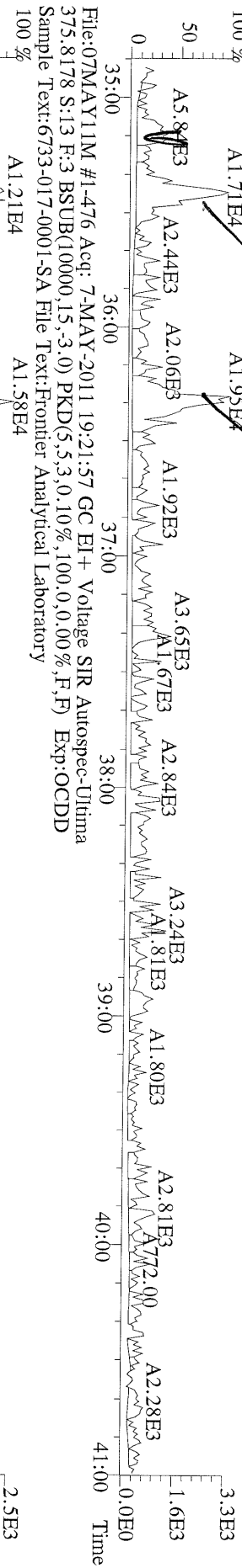
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
353.8970 S:13 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



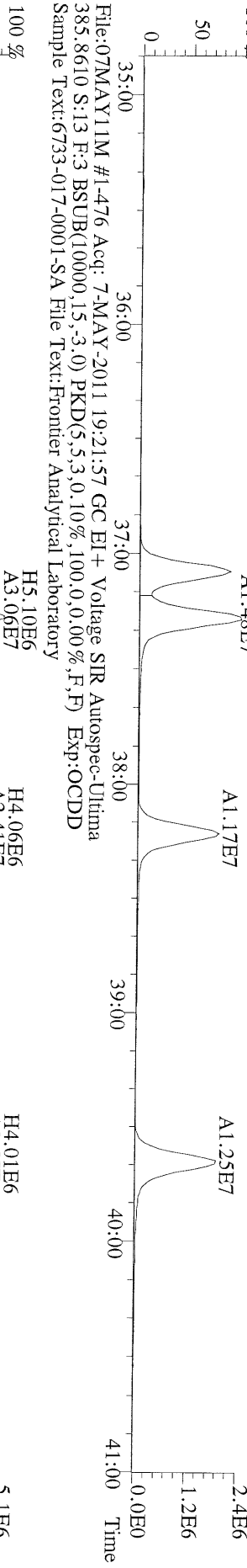
File:07MAY11M #1-412 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:13 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



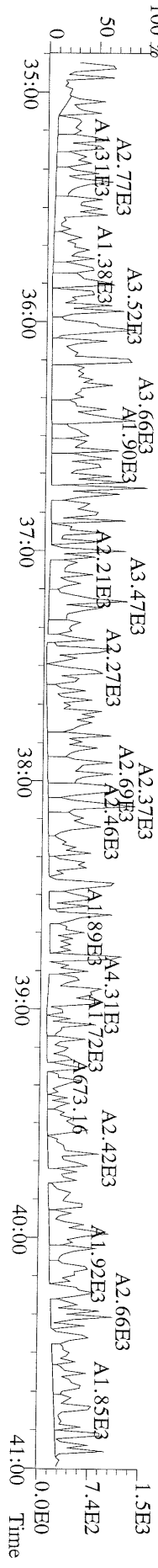
File:07MAY11M #1-476 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:1.3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



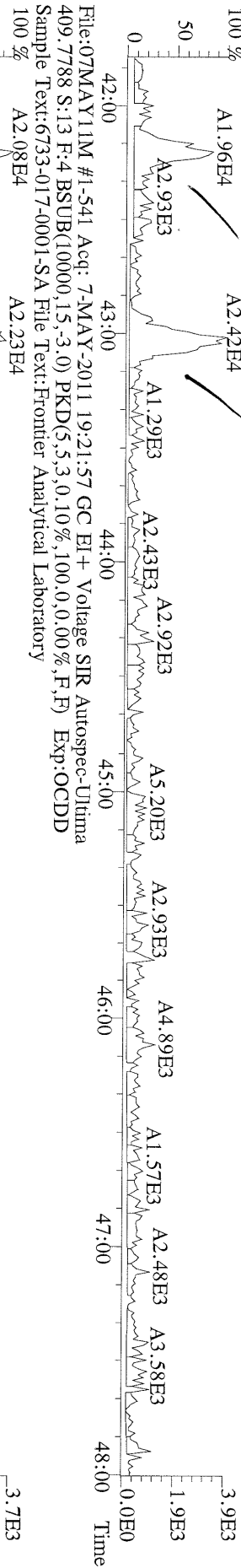
File:07MAY11M #1-476 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:1.3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



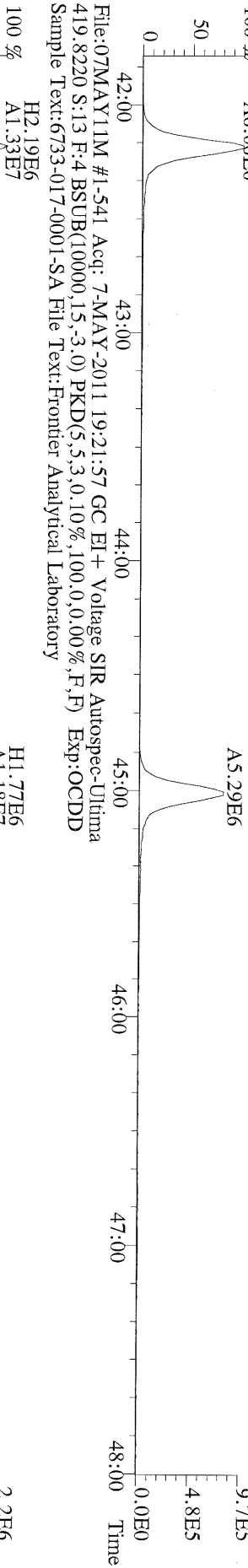
File:07MAY11M #1-476 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:1.3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



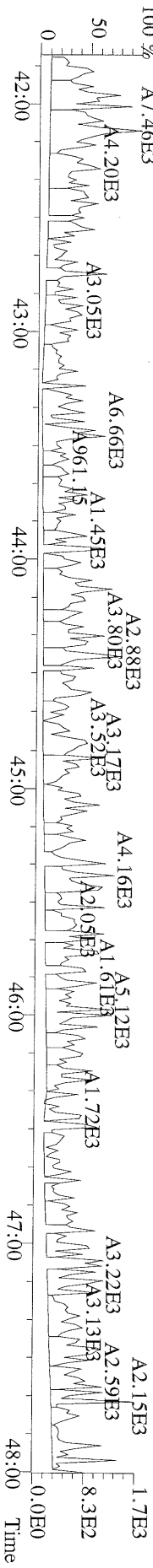
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



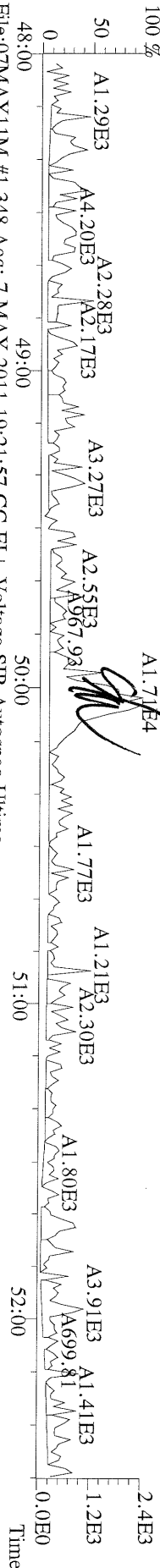
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
417.8253 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



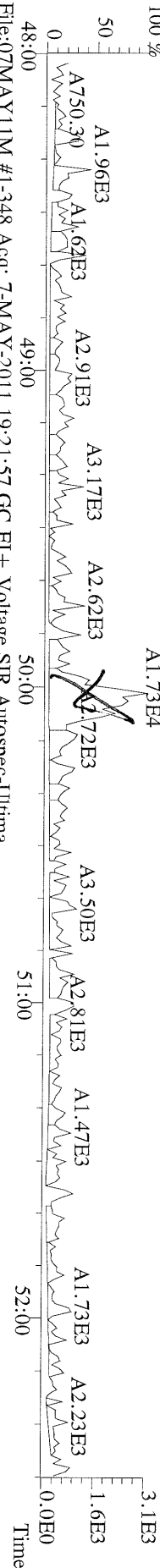
File:07MAY11M #1-541 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Utima  
479.7165 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



File:07MAYY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



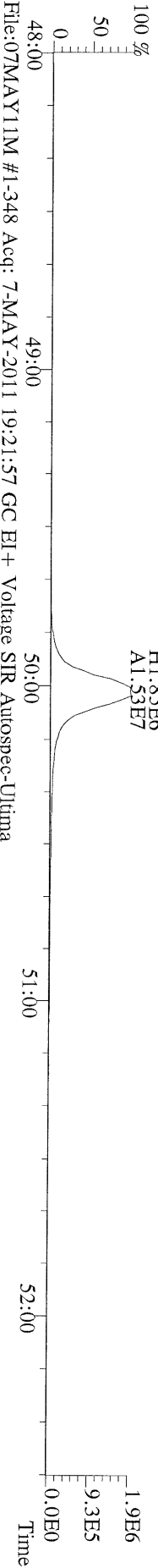
File:07MAYY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



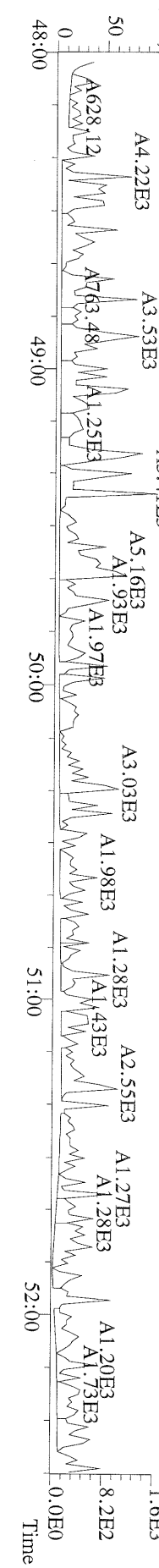
File:07MAYY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
453.7331 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



File:07MAYY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
455.7301 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



File:07MAYY11M #1-348 Acq: 7-MAY-2011 19:21:57 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-017-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6733-018-0001-SA      Filename: 07MAY11M      Sam:9      Acquired: 7-MAY-11 15:40:34      ICal: PCDDFAL3-3-7-11  
 Client ID: LL-SB1-1.5-2-041911      ConCal: ST050711M1      EndCal: ST050711M2  
 Results: 6733-10      GC Column: DB5      Amount: 5.020      NATO 1989 Tox: 1.13

Name	Resp	RA	RT	RRF	WHO 1998 Tox:		WHO 2005 Tox:		DL	
					Conc	Qual	Fac Noise-1	Noise-2		
2,3,7,8-TCDD	3.49e+04	0.78 y	27:18	1.13	0.611	J	2.50	-	-	*
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	756	676	0.377
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	696	716	0.320
1,2,3,6,7,8-HxCDD	4.86e+04	1.06 y	38:40	1.45	0.942	J	2.50	-	-	*
1,2,3,7,8,9-HxCDD	3.78e+04	1.15 y	39:06	1.47	0.653	J	2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	6.89e+05	1.00 y	44:07	1.30	16.1		2.50	-	-	*
OCDD	2.58e+06	0.95 y	49:41	1.45	112		2.50	-	-	*


2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	1100	1330	0.267
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	692	820	0.246
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	692	820	0.284
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.01	*		2.50	696	560	0.260
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	696	560	0.251
2,3,4,6,7,8-HxCDF	3.41e+04	1.28 y	38:16	1.02	0.490	J	2.50	-	-	*
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	696	560	0.257
1,2,3,4,6,7,8-HpCDF	1.80e+05	1.00 y	42:13	1.48	3.20	J	2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	552	580	0.388
OCDF	1.90e+05	0.81 y	50:02	0.84	7.18	J	2.50	-	-	*

										Rec
13C-2,3,7,8-TCDD	2.01e+07	0.72 y	27:16	1.03	392					98.5
13C-1,2,3,7,8-PeCDD	2.10e+07	1.77 y	33:06	1.01	418					105
13C-1,2,3,4,7,8-HxCDD	1.73e+07	1.30 y	38:29	1.19	371					93.0
13C-1,2,3,6,7,8-HxCDD	1.41e+07	1.29 y	38:39	0.94	386					96.9
13C-1,2,3,4,6,7,8-HpCDD	1.31e+07	1.07 y	44:06	0.83	405					102
13C-OCDD	1.26e+07	0.99 y	49:39	0.61	532					66.7

13C-2,3,7,8-TCDF	3.51e+07	0.88 y	26:31	0.98	401					101
13C-1,2,3,7,8-PeCDF	3.39e+07	1.70 y	31:21	0.83	457					115
13C-2,3,4,7,8-PeCDF	3.16e+07	1.70 y	32:40	0.80	440					110
13C-1,2,3,4,7,8-HxCDF	2.78e+07	0.48 y	37:05	1.84	386					96.8
13C-1,2,3,6,7,8-HxCDF	3.49e+07	0.47 y	37:17	2.29	389					97.6
13C-2,3,4,6,7,8-HxCDF	2.72e+07	0.49 y	38:13	1.86	374					93.9
13C-1,2,3,7,8,9-HxCDF	2.95e+07	0.47 y	39:39	1.98	381					95.6
13C-1,2,3,4,6,7,8-HpCDF	1.51e+07	0.46 y	42:11	0.99	392					98.3
13C-1,2,3,4,7,8,9-HpCDF	1.35e+07	0.46 y	45:01	0.77	451					113
13C-OCDF	2.50e+07	0.95 y	50:01	1.17	548					68.7

37Cl-2,3,7,8-TCDD	5.41e+06		27:18	0.73	149					93.5
13C-1,2,3,4-TCDD	1.98e+07	0.72 y	26:42	-	10.4					
13C-1,2,3,4-TCDF	3.56e+07	0.88 y	25:27	-	9.85					
13C-1,2,3,7,8,9-HxCDD	1.56e+07	1.28 y	39:05	-	12.5					

										Fac Noise-1	Noise-2	DL	#Hom
Total Tetra-Dioxins	1.17e+05		24:18	1.13	2.05		2.50	-	-	*		4	
Total Penta-Dioxins	6.25e+04		30:10	1.02	1.17	J	2.50	-	-	*		2	
Total Hexa-Dioxins	3.46e+05		36:01	1.46	6.12		2.50	-	-	*		5	
Total Hepta-Dioxins	1.35e+06		42:45	1.30	31.5		2.50	-	-	*		2	
Total Tetra-Furans	1.84e+05		23:43	1.15	1.82		2.50	-	-	*		3	
1st Fn. Tot Penta-Furans	1.29e+05		28:21	0.89	1.77	J	2.50	-	-	*	PeCDF	1	
Total Penta-Furans	7.64e+04		30:07	0.89	1.05	J	2.50	-	-	*	2.82	1	
Total Hexa-Furans	3.33e+05		35:08	1.00	4.48	J	2.50	-	-	*		4	
Total Hepta-Furans	4.21e+05		42:13	1.46	7.82		2.50	-	-	*		2	

Analyst:  Date: 5/9/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 1

Acquired: 7-MAY-11 15:40:34

Total Concentration: 2.05

Unnamed Concentration: 1.440

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:18	1.09e+04	1.29e+04	0.84 y	2.38e+04	0.417	
24:35	7.21e+03	1.01e+04	0.71 y	1.74e+04	0.304	
25:31	1.80e+04	2.32e+04	0.78 y	4.11e+04	0.720	
27:18	1.53e+04	1.96e+04	0.78 y	3.49e+04	0.611	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 2

Acquired: 7-MAY-11 15:40:34

Total Concentration: 1.17

Unnamed Concentration: 1.165

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:10	2.26e+04	1.44e+04	1.57 y	3.69e+04	0.689	
31:21	1.59e+04	9.62e+03	1.65 y	2.55e+04	0.476	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 3

Acquired: 7-MAY-11 15:40:34

Total Concentration: 6.12

Unnamed Concentration: 4.526

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:01	5.33e+04	4.10e+04	1.30 y	9.42e+04	1.64	
36:58	2.25e+04	1.99e+04	1.13 y	4.24e+04	0.738	
37:23	7.14e+04	5.18e+04	1.38 y	1.23e+05	2.15	
38:40	2.50e+04	2.35e+04	1.06 y	4.86e+04	0.942	1,2,3,6,7,8-HxCDD
39:06	2.02e+04	1.76e+04	1.15 y	3.78e+04	0.653	1,2,3,7,8,9-HxCDD



Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 4

Acquired: 7-MAY-11 15:40:34

Total Concentration: 31.5

Unnamed Concentration: 15.373

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:45	3.17e+05	3.40e+05	0.93 y	6.57e+05	15.4	
44:07	3.45e+05	3.44e+05	1.00 y	6.89e+05	16.1	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 1

Acquired: 7-MAY-11 15:40:34

Total Concentration: 1.82

Unnamed Concentration: 1.825

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:43	3.69e+04	5.61e+04	0.66 y	9.30e+04	0.921	
24:39	2.11e+04	2.52e+04	0.84 y	4.63e+04	0.458	
25:20	1.87e+04	2.62e+04	0.72 y	4.49e+04	0.445	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 16      File: 07MAY11M      S: 9 I: 1 F: 1  
Acquired: 7-MAY-11 15:40:34

Total Concentration: 1.77      Unnamed Concentration: 1.771

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:21	7.57e+04	5.37e+04 1.41 y	1.29e+05	1.77	

Totals class: Total Penta-Furans

Entry #: 44

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 2

Acquired: 7-MAY-11 15:40:34

Total Concentration: 1.05

Unnamed Concentration: 1.046

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:07	4.53e+04	3.12e+04	1.45 y	7.64e+04	1.05	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 3

Acquired: 7-MAY-11 15:40:34

Total Concentration: 4.48

Unnamed Concentration: 3.994

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:08	2.54e+04	2.17e+04	1.17 y	4.71e+04	0.629	
35:25	7.59e+04	6.33e+04	1.20 y	1.39e+05	1.86	
36:20	6.28e+04	5.01e+04	1.25 y	1.13e+05	1.51	
38:16	1.91e+04	1.49e+04	1.28 y	3.41e+04	0.490	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 16

File: 07MAY11M

S: 9 I: 1 F: 4

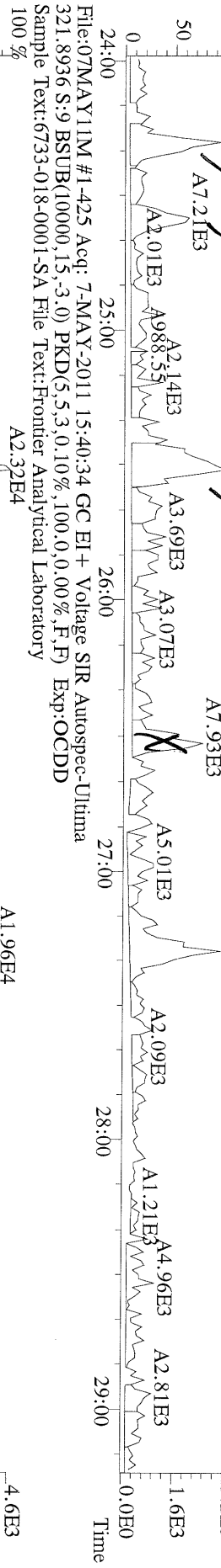
Acquired: 7-MAY-11 15:40:34

Total Concentration: 7.82

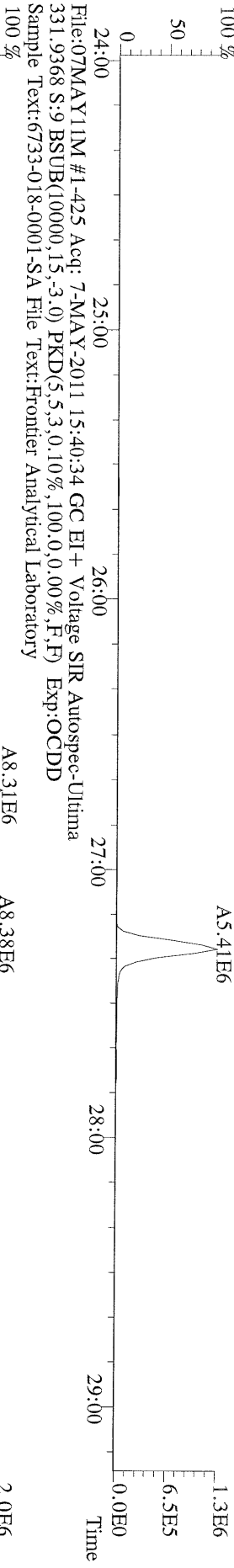
Unnamed Concentration: 4.618

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:13	8.98e+04	8.98e+04	1.00 y	1.80e+05	3.20	1,2,3,4,6,7,8-HpCDF
43:02	1.24e+05	1.18e+05	1.06 y	2.42e+05	4.62	

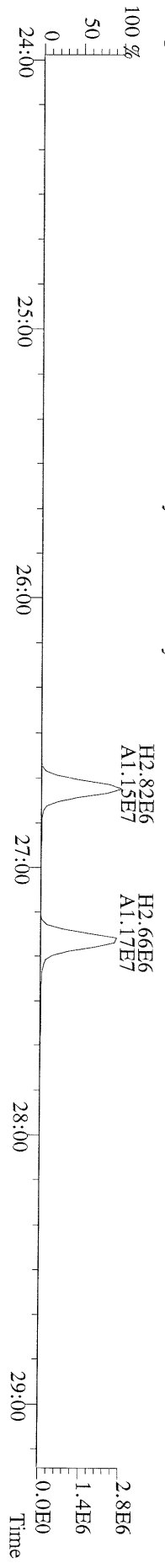
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 319.8965 S:9 BSUB(10000,15,3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:67733-018-0001-SA File Text:Frontier Analytical Laboratory



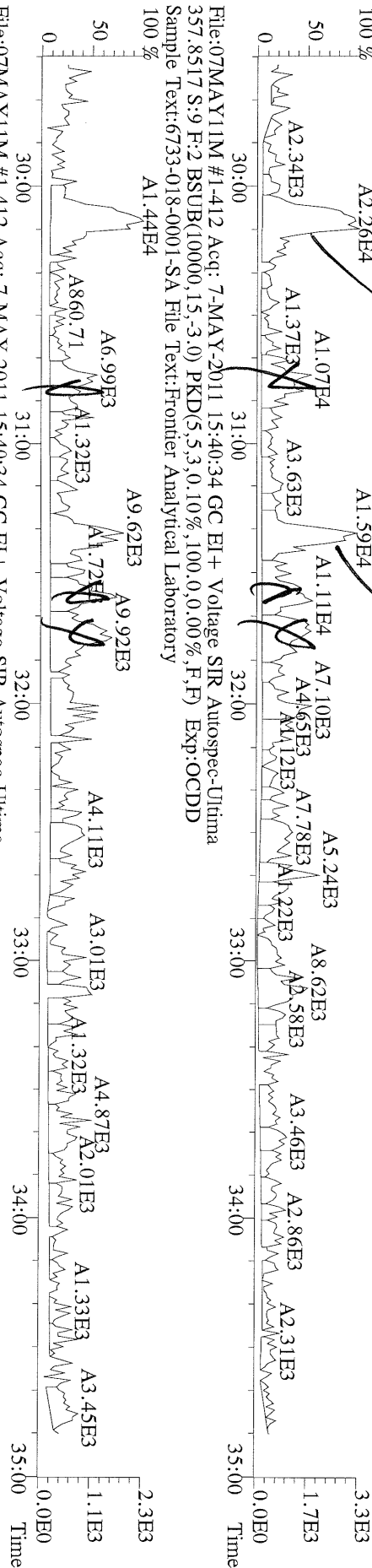
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 327.8847 S:9 BSUB(10000,15,3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:67733-018-0001-SA File Text:Frontier Analytical Laboratory



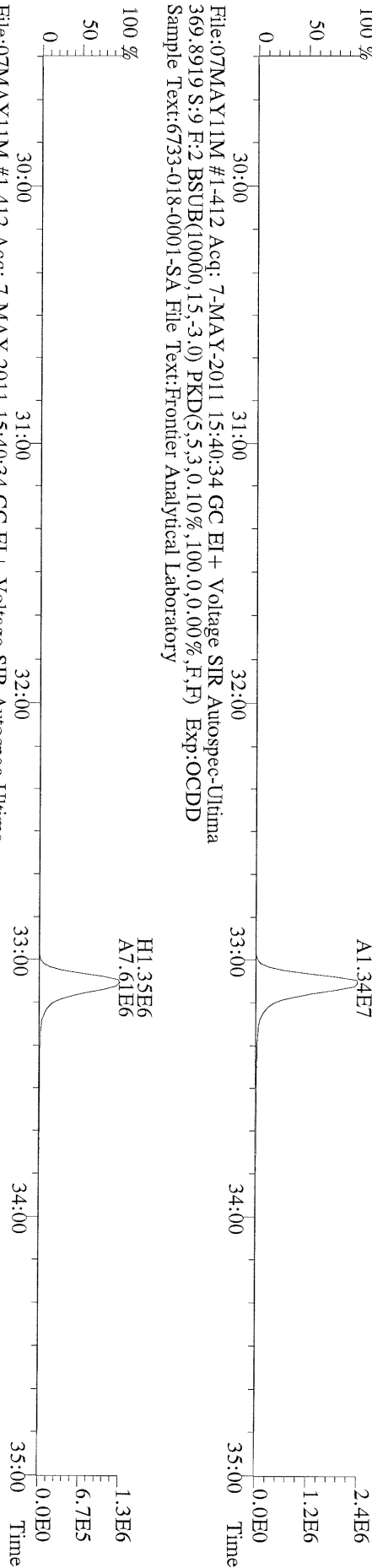
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 333.9339 S:9 BSUB(10000,15,3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:67733-018-0001-SA File Text:Frontier Analytical Laboratory



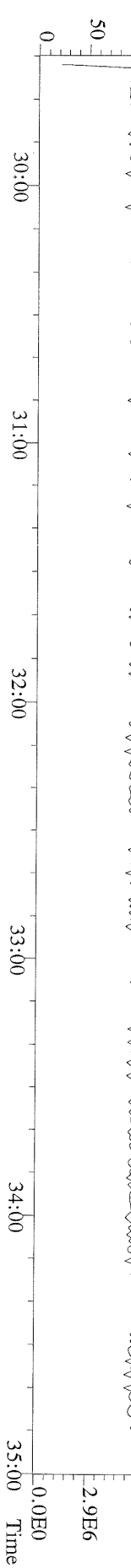
File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
367.8919 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory

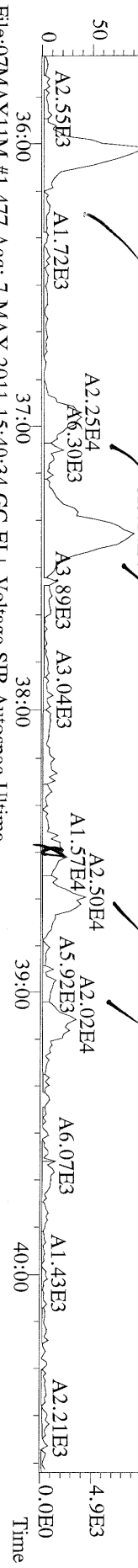


File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 S:9 F:2 Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory

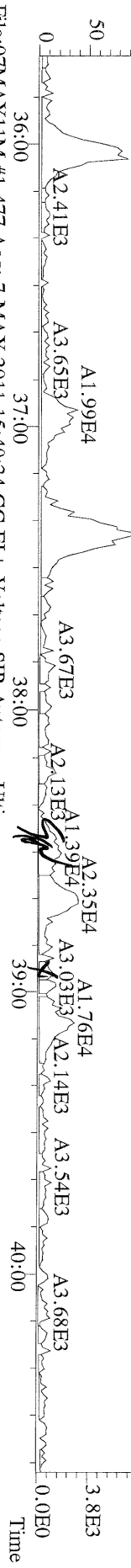




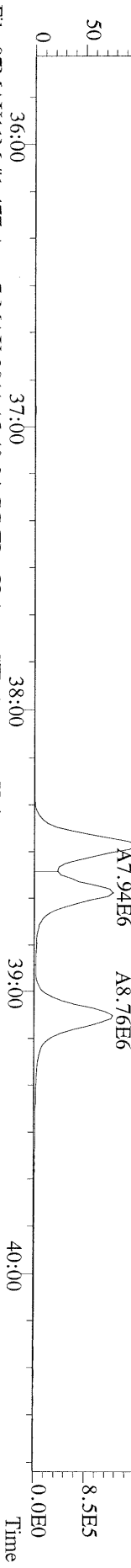
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



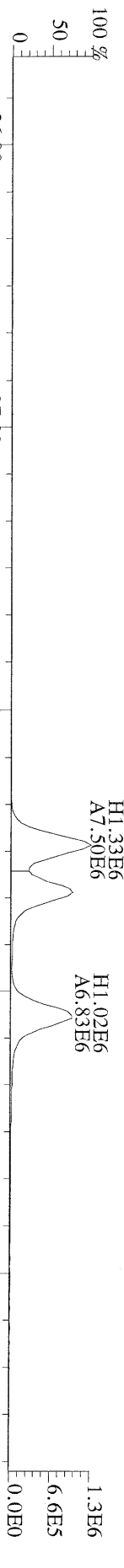
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



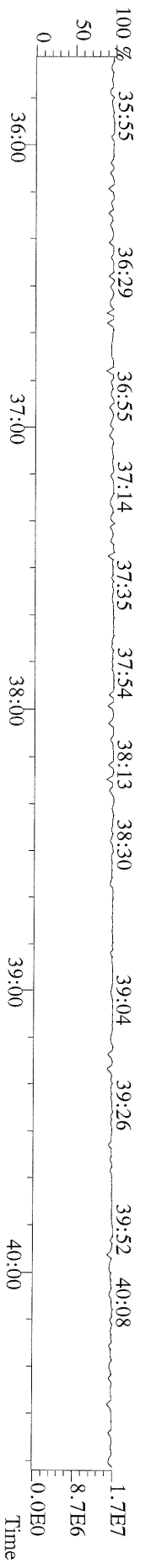
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



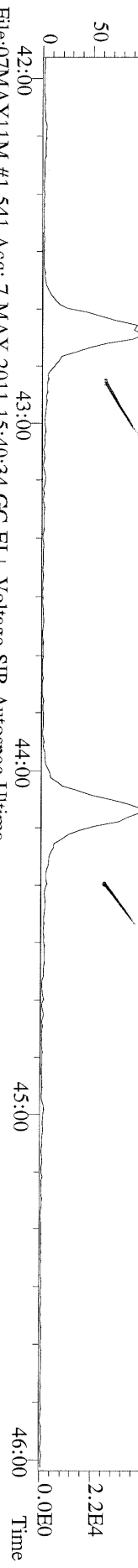
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



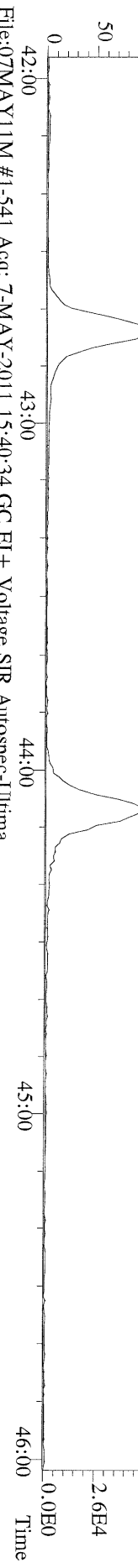
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:9 F:3 Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



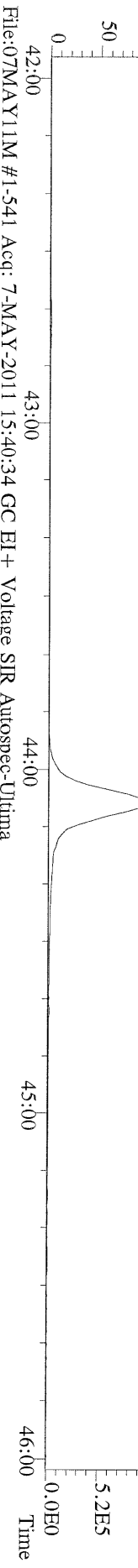
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



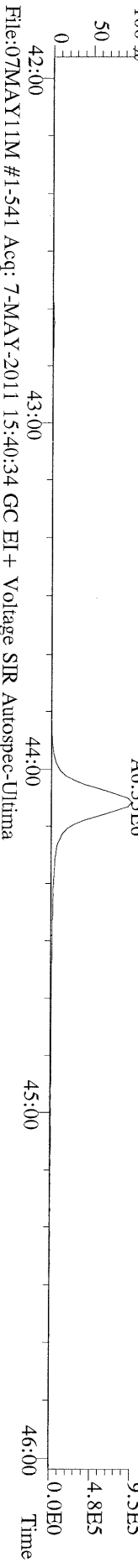
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 425.7737 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



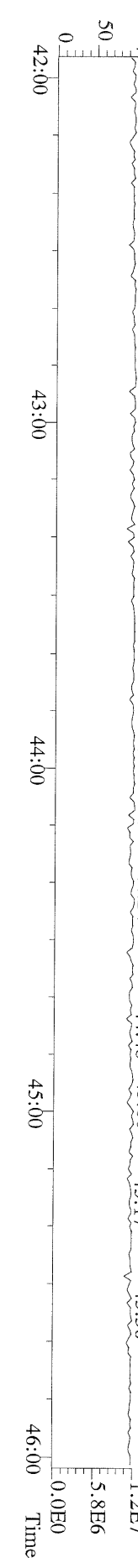
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 435.8169 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



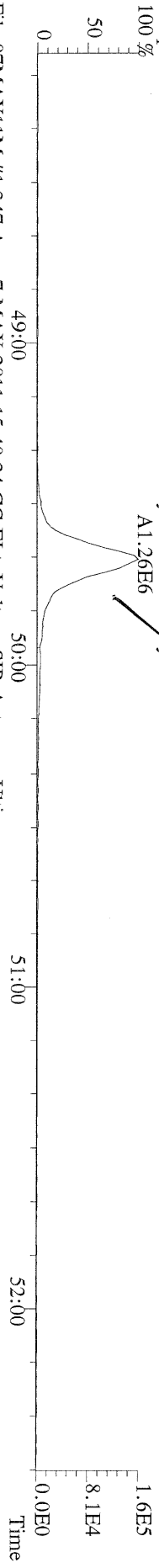
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 437.8140 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



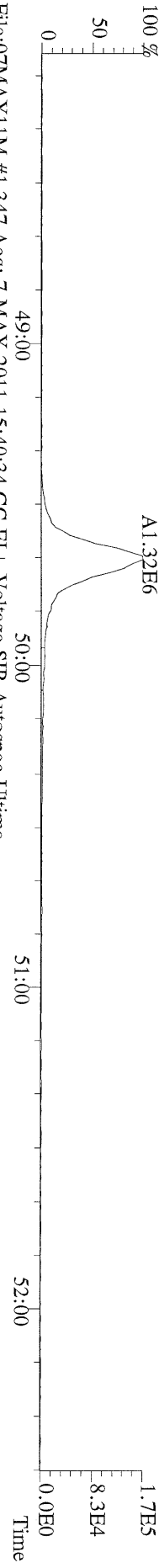
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
 430.9728 S:9 F:4 Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



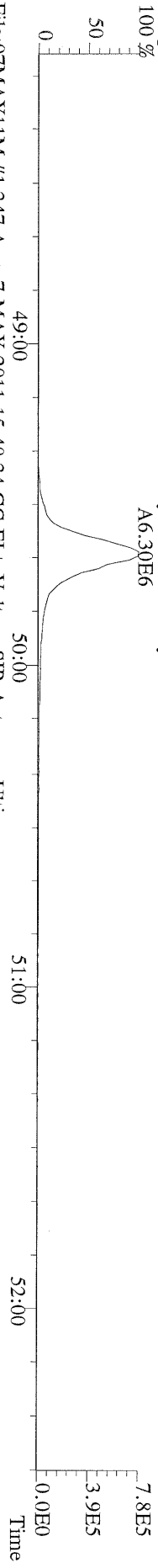
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:9 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



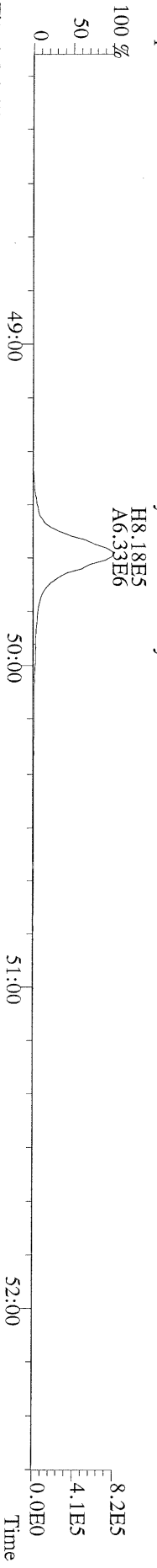
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:9 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



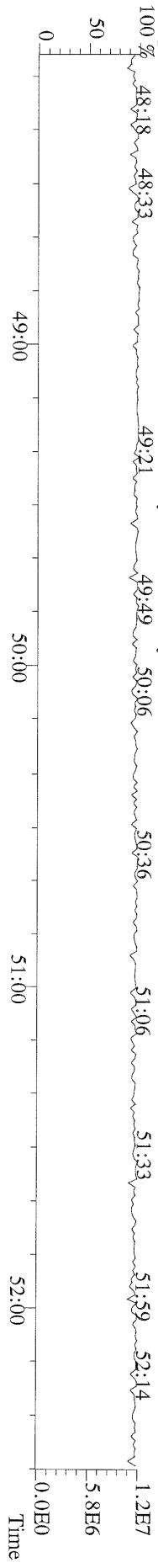
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:9 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



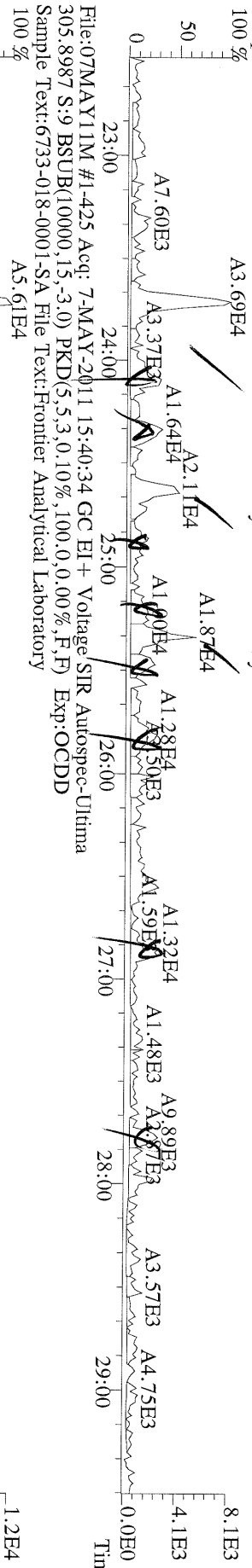
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:9 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



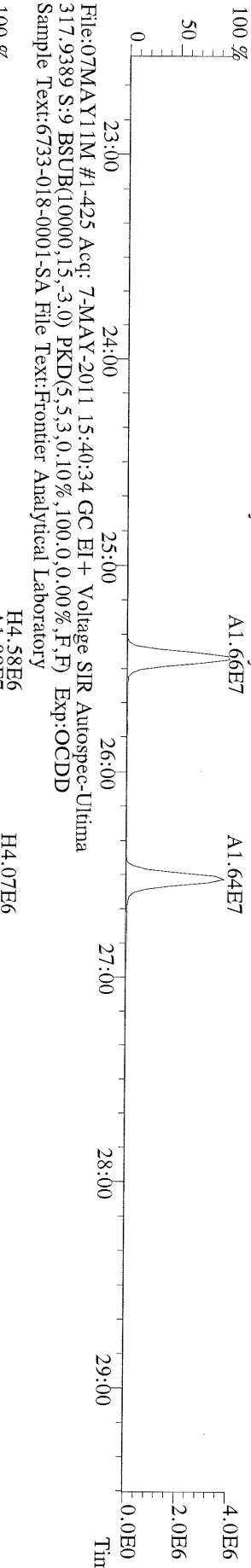
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:9 F:5 Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



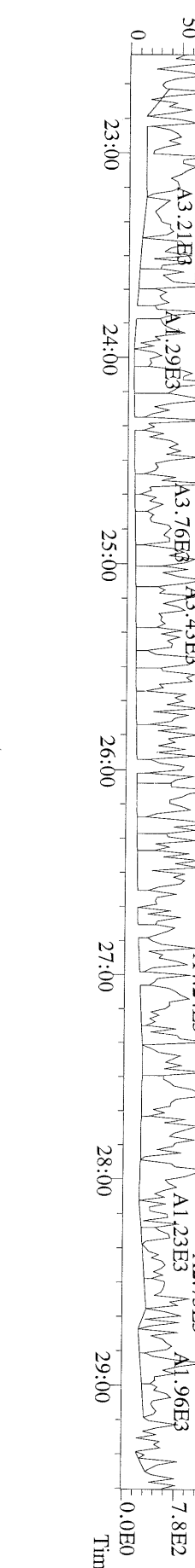
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



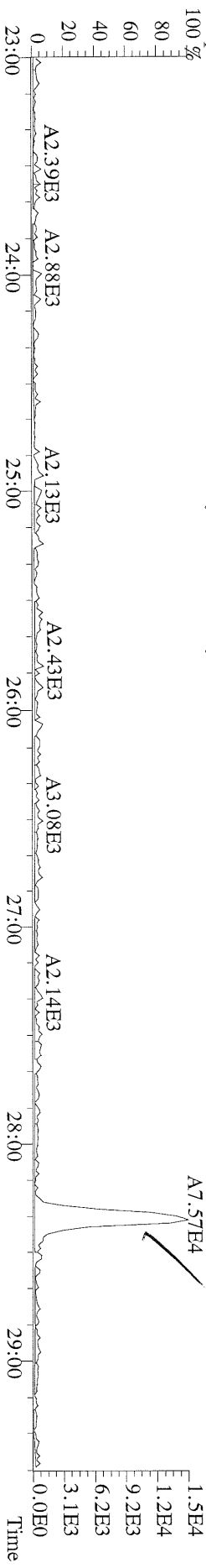
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
315.9419 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



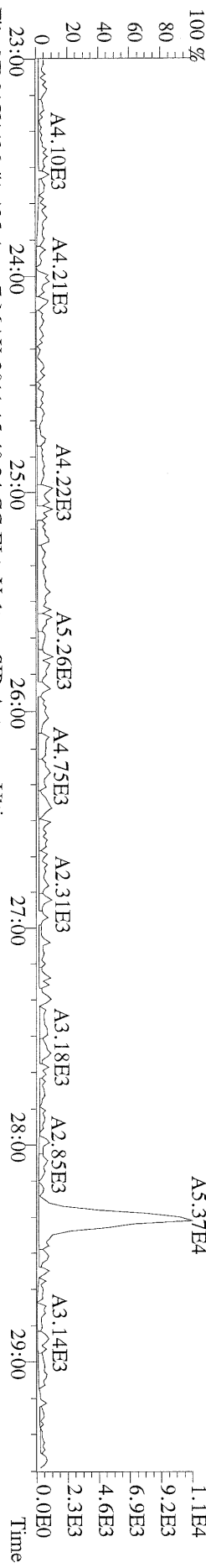
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



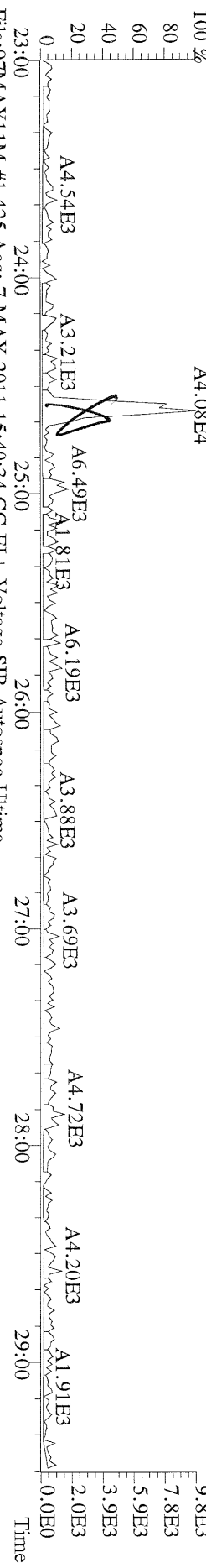
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
339.8568 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



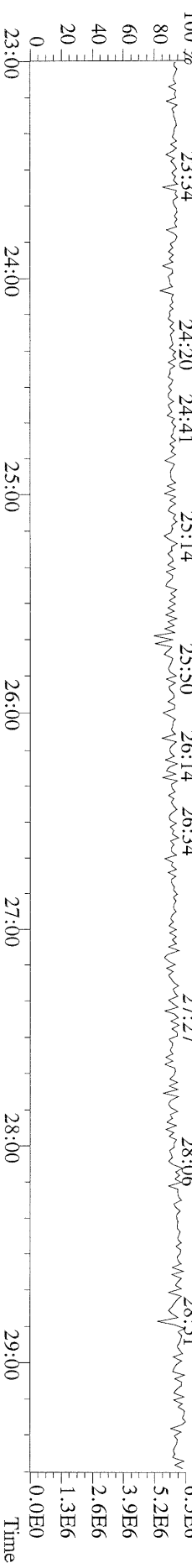
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:9 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



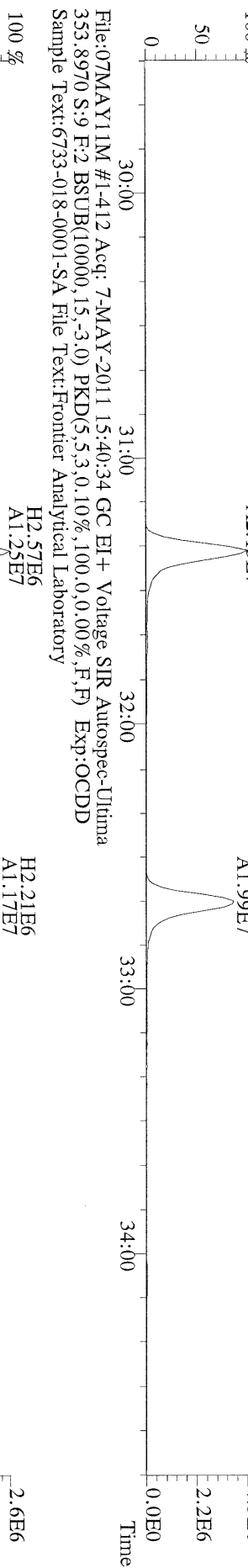
File:07MAY11M #1-425 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
316.9824 S:9 Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



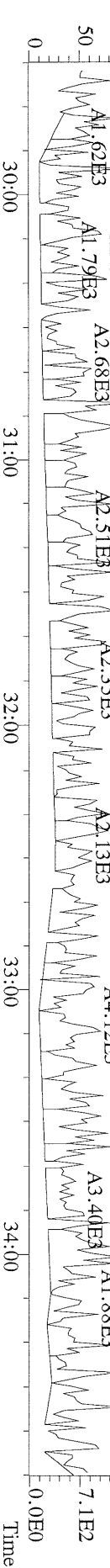
File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



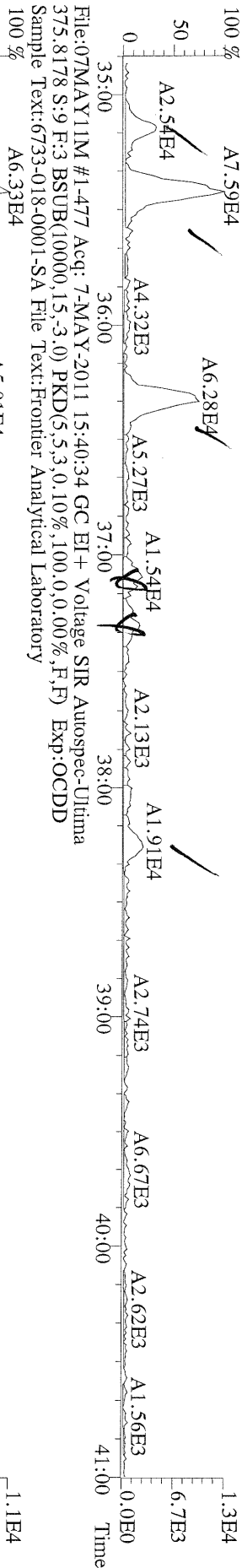
File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



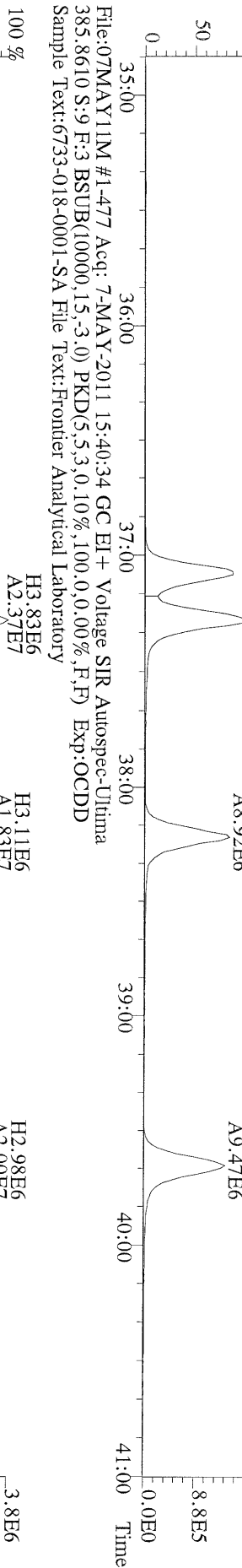
File:07MAY11M #1-412 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 409.7974 S:9 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



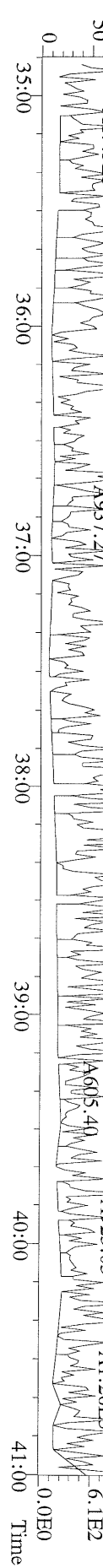
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 373.8207 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



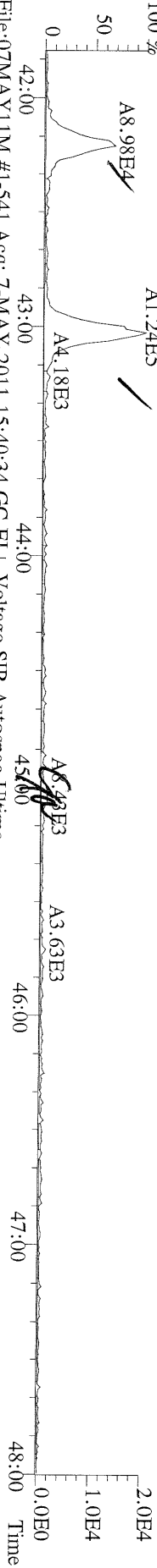
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 383.8639 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



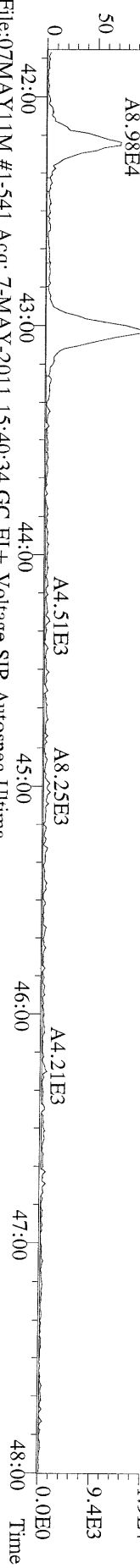
File:07MAY11M #1-477 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
 445.7555 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



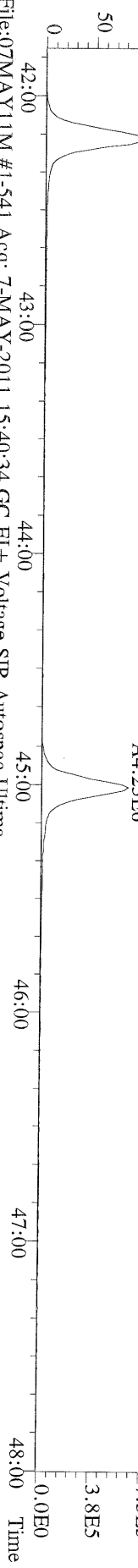
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



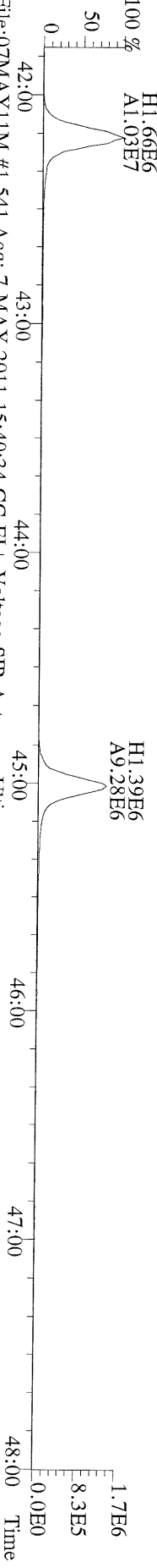
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



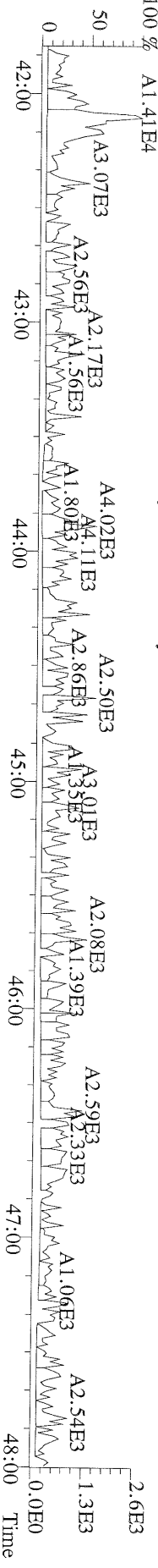
File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
419.8220 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory

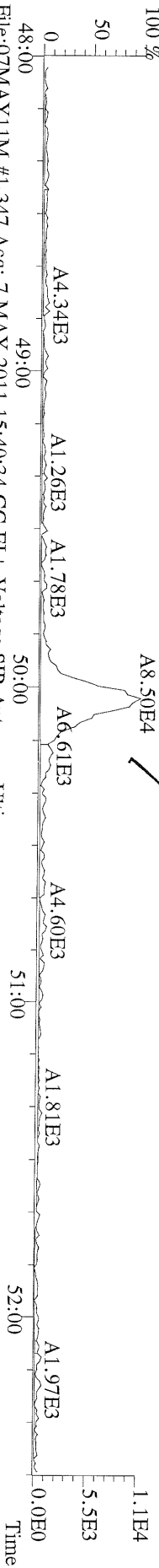


File:07MAY11M #1-541 Acq: 7-MAY-2011 15:40:34 GC EI + Voltage SIR Autospec-Ultima  
479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory

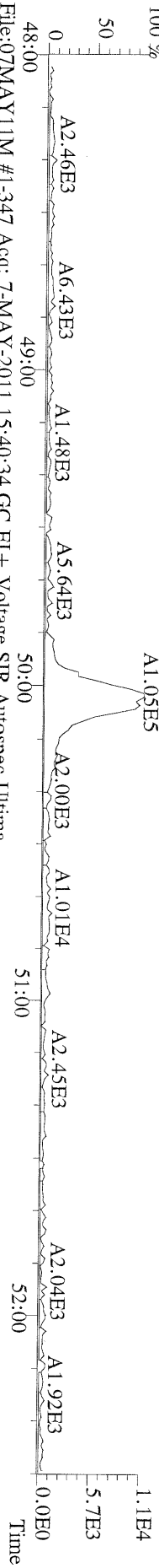




File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



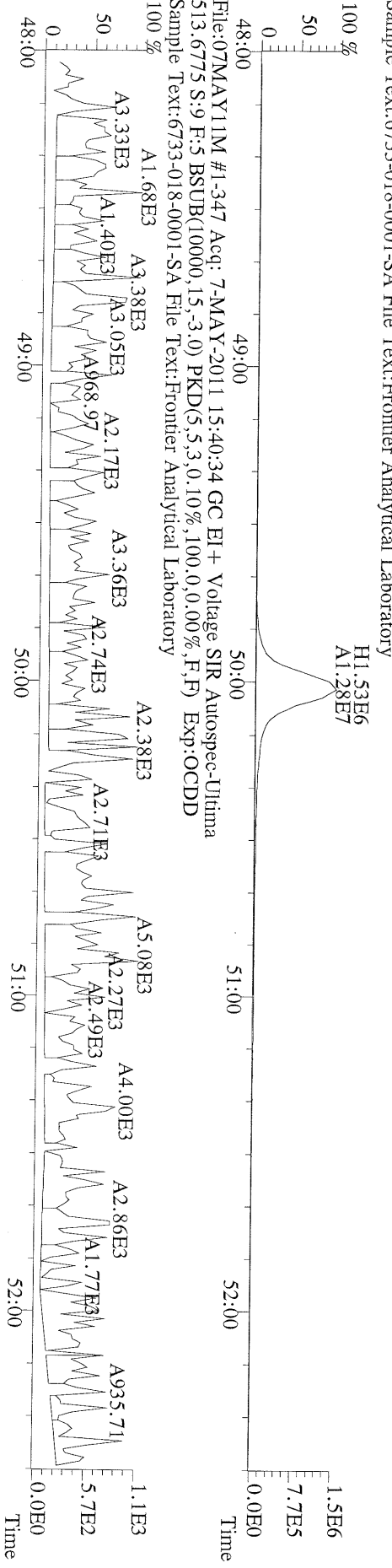
File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-347 Acq: 7-MAY-2011 15:40:34 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD  
Sample Text:6733-018-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6733-019-0001-SA      Filename: 07MAY11M      Sam:5      Acquired: 7-MAY-11 11:59:01      ICal: PCDDFAL3-3-7-11  
 Client ID: LL-SB1-2-4-041911      ConCal: ST050711M1      EndCal: ST050711M2  
 Results: 6733-10      GC Column: DB5      Amount: 5.010

NATO 1989 Tox: 2.04  
 WHO 1998 Tox: 1.80      WHO 2005 Tox: 1.77  
 Conc      Qual      Fac Noise-1      Noise-2      DL

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	4.69e+04	0.68 y	27:17	1.13	0.671	J	2.50	-	-	*	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	796	692	0.314	
1,2,3,4,7,8-HxCDD	3.58e+04	1.11 y	38:29	1.45	0.524	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	8.28e+04	1.27 y	38:39	1.45	1.41	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	5.85e+04	1.42 y	39:06	1.47	0.908	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.36e+06	0.96 y	44:06	1.30	33.1		2.50	-	-	*	
OCDD	4.75e+06	0.98 y	49:39	1.45	251		2.50	-	-	*	
2,3,7,8-TCDF	4.68e+04	0.73 y	26:32	1.15	0.389	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	668	768	0.204	
2,3,4,7,8-PeCDF	3.30e+04	1.38 y	32:44	0.89	0.433	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	4.72e+04	1.17 y	37:06	1.01	0.586	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	3.93e+04	1.26 y	37:17	0.89	0.451	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	4.28e+04	1.08 y	38:12	1.02	0.688	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	580	640	0.248	
1,2,3,4,6,7,8-HpCDF	3.82e+05	1.05 y	42:12	1.48	6.32		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	652	660	0.490	
OCDF	3.51e+05	0.93 y	50:01	0.84	15.2		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.46e+07	0.72 y	27:16	1.03	374					Rec 93.7	
13C-1,2,3,7,8-PeCDD	2.53e+07	1.73 y	33:05	1.01	392					98.1	
13C-1,2,3,4,7,8-HxCDD	1.88e+07	1.28 y	38:28	1.19	394					98.7	
13C-1,2,3,6,7,8-HxCDD	1.61e+07	1.28 y	38:39	0.94	429					107	
13C-1,2,3,4,6,7,8-HpCDD	1.27e+07	1.04 y	44:06	0.83	381					95.4	
13C-OCDD	1.04e+07	0.97 y	49:38	0.61	427					53.5	
13C-2,3,7,8-TCDF	4.18e+07	0.88 y	26:31	0.98	372					93.1	
13C-1,2,3,7,8-PeCDF	4.00e+07	1.69 y	31:21	0.83	420					105	
13C-2,3,4,7,8-PeCDF	3.41e+07	1.68 y	32:40	0.80	370					92.7	
13C-1,2,3,4,7,8-HxCDF	3.19e+07	0.47 y	37:04	1.84	431					108	
13C-1,2,3,6,7,8-HxCDF	3.90e+07	0.47 y	37:16	2.29	423					106	
13C-2,3,4,6,7,8-HxCDF	2.45e+07	0.47 y	38:12	1.86	327					81.9	
13C-1,2,3,7,8,9-HxCDF	2.82e+07	0.48 y	39:38	1.98	354					88.6	
13C-1,2,3,4,6,7,8-HpCDF	1.63e+07	0.44 y	42:11	0.99	411					103	
13C-1,2,3,4,7,8,9-HpCDF	1.21e+07	0.45 y	44:60	0.77	394					98.7	
13C-OCDF	2.18e+07	0.95 y	50:00	1.17	467					58.4	
37Cl-2,3,7,8-TCDD	6.29e+06		27:17	0.73	135					84.5	
13C-1,2,3,4-TCDD	2.55e+07	0.73 y	26:42	-	13.4						
13C-1,2,3,4-TCDF	4.58e+07	0.88 y	25:27	-	12.7						
13C-1,2,3,7,8,9-HxCDD	1.60e+07	1.31 y	39:05	-	12.9						
Total Tetra-Dioxins	1.51e+05		24:20	1.13	2.16		2.50	-	-	*	4
Total Penta-Dioxins	1.46e+05		30:08	1.02	2.27	J	2.50	-	-	*	3
Total Hexa-Dioxins	7.08e+05		36:02	1.46	11.2		2.50	-	-	*	6
Total Hepta-Dioxins	2.65e+06		42:43	1.30	64.2		2.50	-	-	*	2
Total Tetra-Furans	7.25e+05		23:35	1.15	6.03		2.50	-	-	*	9
1st Fn. Tot Penta-Furans	3.15e+05		28:21	0.89	3.81		2.50	-	-	*	PeCDF 8.41
Total Penta-Furans	3.77e+05		29:57	0.89	4.60		2.50	-	-	*	6
Total Hexa-Furans	7.84e+05		35:08	1.00	10.2		2.50	-	-	*	6
Total Hepta-Furans	9.19e+05		42:12	1.46	16.7		2.50	-	-	*	2

Analyst: 

Date: 5/9/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 1

Acquired: 7-MAY-11 11:59:01

Total Concentration: 2.16

Unnamed Concentration: 1.487

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:20	1.90e+04	2.55e+04	0.75 y	4.45e+04	0.637	
24:37	1.41e+04	1.66e+04	0.85 y	3.07e+04	0.439	
25:30	1.34e+04	1.53e+04	0.87 y	2.87e+04	0.411	
27:17	1.89e+04	2.80e+04	0.68 y	4.69e+04	0.671	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 2

Acquired: 7-MAY-11 11:59:01

Total Concentration: 2.27

Unnamed Concentration: 2.268

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:08	4.82e+04	3.09e+04	1.56 y	7.91e+04	1.23	
31:21	2.36e+04	1.41e+04	1.67 y	3.77e+04	0.585	
31:43	1.69e+04	1.23e+04	1.38 y	2.92e+04	0.453	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 3

Acquired: 7-MAY-11 11:59:01

Total Concentration: 11.2

Unnamed Concentration: 8.322

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:02	1.09e+05	8.14e+04	1.34 y	1.91e+05	2.99	
36:58	4.64e+04	3.38e+04	1.37 y	8.02e+04	1.26	
37:23	1.46e+05	1.15e+05	1.27 y	2.60e+05	4.08	
38:29	1.88e+04	1.70e+04	1.11 y	3.58e+04	0.524	1,2,3,4,7,8-HxCDD
38:39	4.63e+04	3.66e+04	1.27 y	8.28e+04	1.41	1,2,3,6,7,8-HxCDD
39:06	3.43e+04	2.42e+04	1.42 y	5.85e+04	0.908	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 4

Acquired: 7-MAY-11 11:59:01

Total Concentration: 64.2

Unnamed Concentration: 31.177

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:43	6.24e+05	6.61e+05	0.94 y	1.29e+06	31.2	
44:06	6.66e+05	6.97e+05	0.96 y	1.36e+06	33.1	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 12 File: 07MAY11M S: 5 I: 1 F: 1  
Acquired: 7-MAY-11 11:59:01

Total Concentration: 6.03

Unnamed Concentration: 5.640

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:35	1.32e+04	1.78e+04	0.74 y	3.09e+04	0.257	
23:47	7.67e+04	1.15e+05	0.67 y	1.91e+05	1.59	
24:08	3.51e+04	4.98e+04	0.70 y	8.49e+04	0.706	
24:22	3.60e+04	5.14e+04	0.70 y	8.74e+04	0.727	
24:39	3.98e+04	5.09e+04	0.78 y	9.08e+04	0.755	
25:20	4.26e+04	5.77e+04	0.74 y	1.00e+05	0.835	
25:50	1.81e+04	2.64e+04	0.69 y	4.45e+04	0.370	
26:32	1.98e+04	2.70e+04	0.73 y	4.68e+04	0.389	2,3,7,8-TCDF
26:52	1.89e+04	2.86e+04	0.66 y	4.75e+04	0.395	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 12      File: 07MAY11M      S: 5 I: 1 F: 1  
Acquired: 7-MAY-11 11:59:01

Total Concentration: 3.81      Unnamed Concentration: 3.812

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:21	1.84e+05	1.31e+05 1.41 y	3.15e+05	3.81	



Totals class: Total Penta-Furans

Entry #: 44

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 2

Acquired: 7-MAY-11 11:59:01

Total Concentration: 4.60

Unnamed Concentration: 4.170

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
29:57	2.00e+04	1.40e+04	1.43 y	3.40e+04	0.412	
30:06	1.07e+05	7.06e+04	1.52 y	1.78e+05	2.16	
30:49	4.08e+04	2.55e+04	1.60 y	6.63e+04	0.804	
31:42	2.25e+04	1.45e+04	1.56 y	3.70e+04	0.448	
32:44	1.91e+04	1.39e+04	1.38 y	3.30e+04	0.433	2,3,4,7,8-PeCDF
32:46	1.68e+04	1.18e+04	1.42 y	2.86e+04	0.347	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 3

Acquired: 7-MAY-11 11:59:01

Total Concentration: 10.2

Unnamed Concentration: 8.465

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:08	5.10e+04	4.42e+04	1.15 y	9.52e+04	1.23	
35:25	1.70e+05	1.38e+05	1.23 y	3.07e+05	3.97	
36:19	1.40e+05	1.13e+05	1.24 y	2.52e+05	3.26	
37:06	2.54e+04	2.17e+04	1.17 y	4.72e+04	0.586	1,2,3,4,7,8-HxCDF
37:17	2.19e+04	1.74e+04	1.26 y	3.93e+04	0.451	1,2,3,6,7,8-HxCDF
38:12	2.22e+04	2.06e+04	1.08 y	4.28e+04	0.688	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 12

File: 07MAY11M

S: 5 I: 1 F: 4

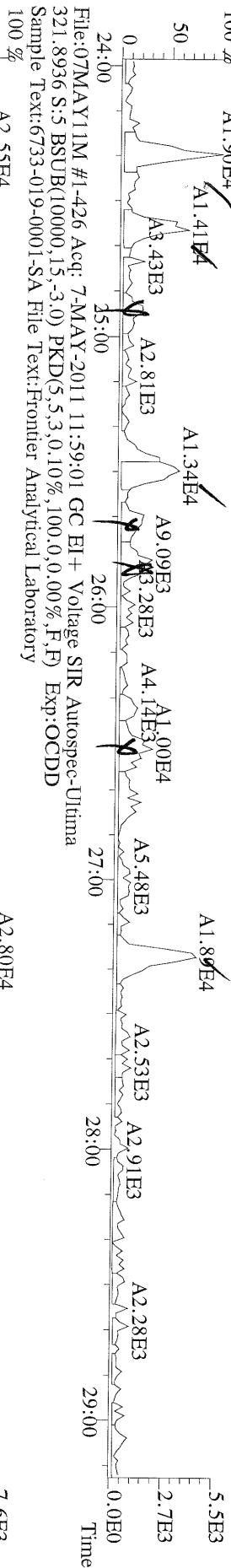
Acquired: 7-MAY-11 11:59:01

Total Concentration: 16.7

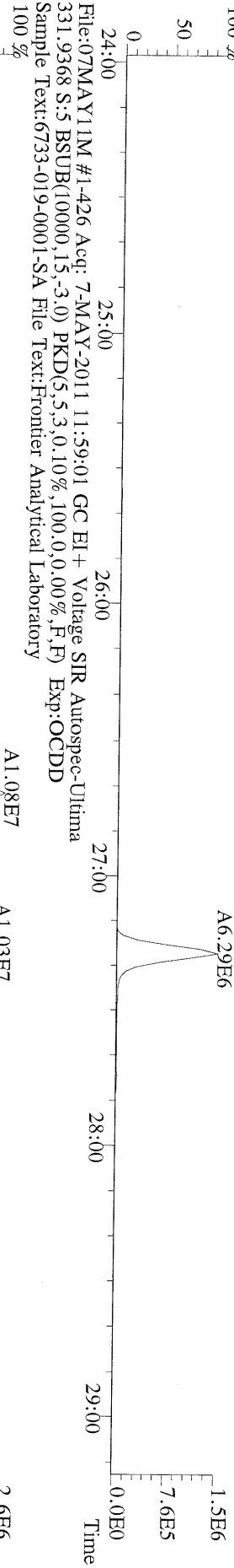
Unnamed Concentration: 10.375

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:12	1.96e+05	1.86e+05	1.05 y	3.82e+05	6.32	1,2,3,4,6,7,8-HpCDF
43:01	2.72e+05	2.66e+05	1.02 y	5.38e+05	10.4	

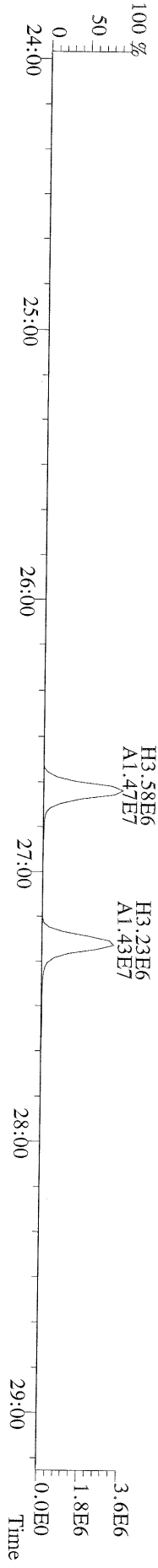
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



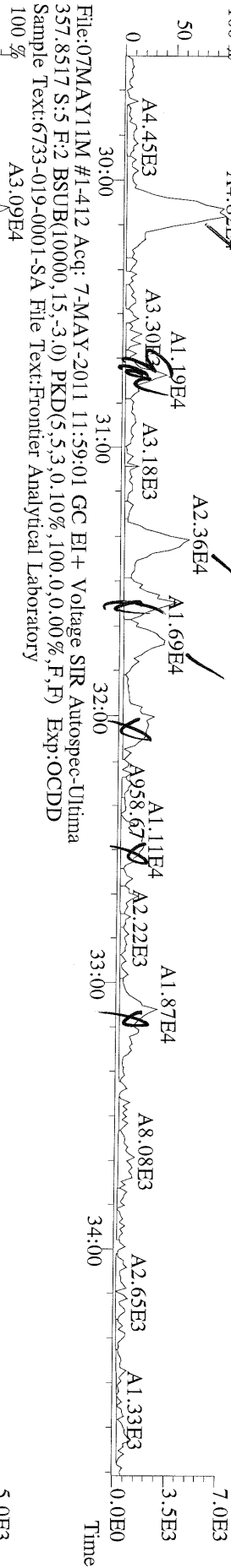
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



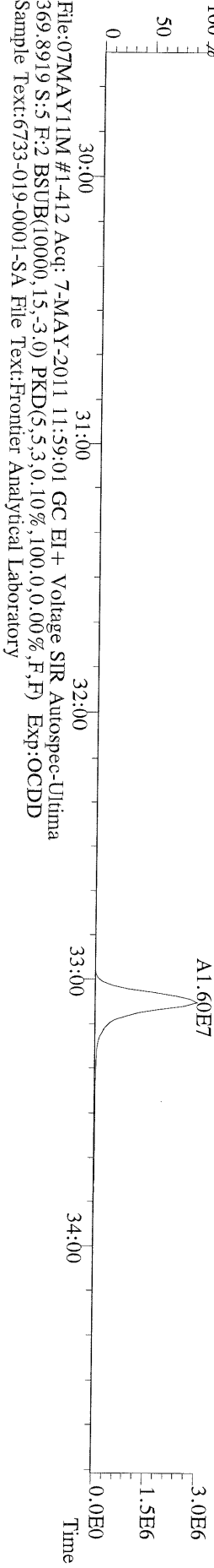
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



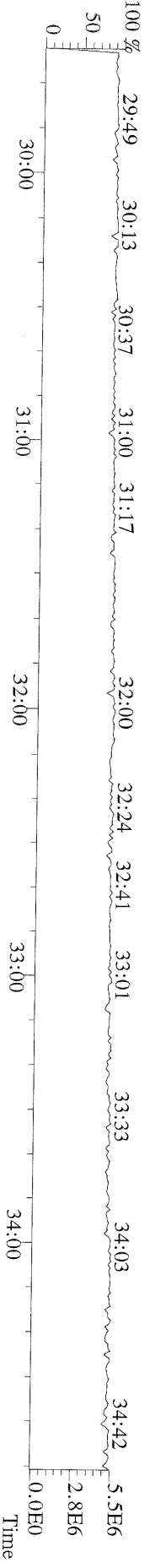
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



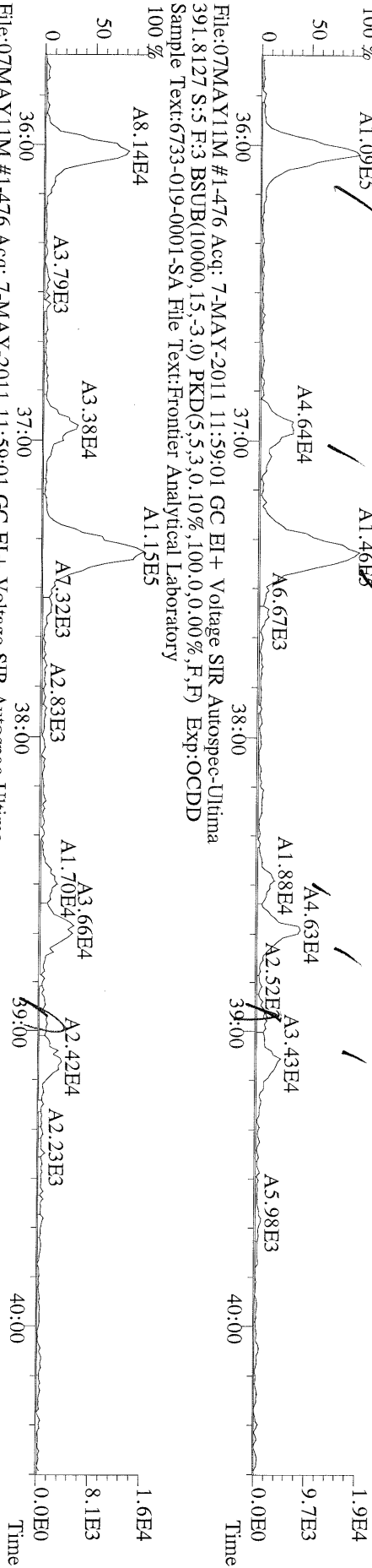
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



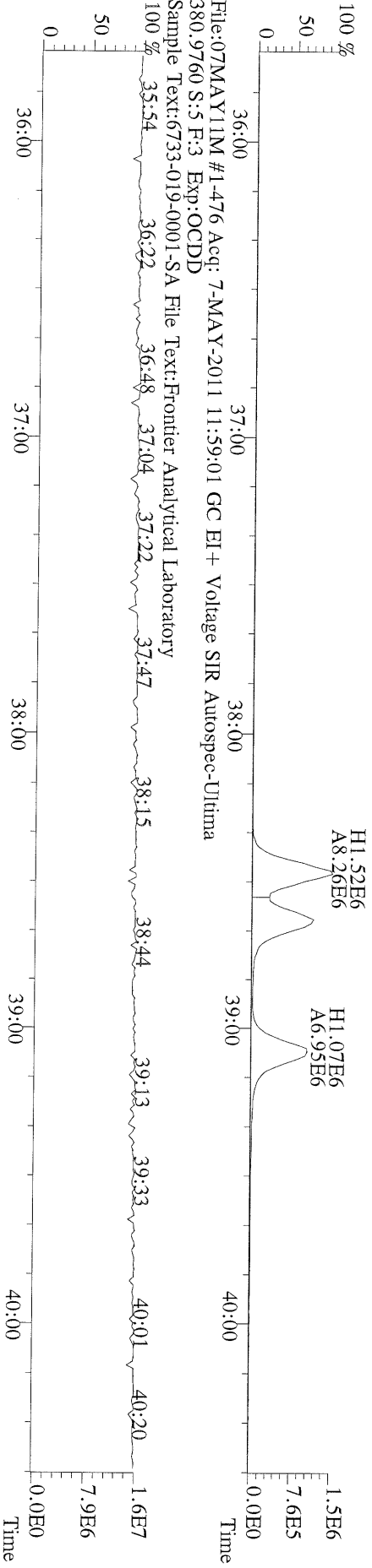
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 S:5 F:2 Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



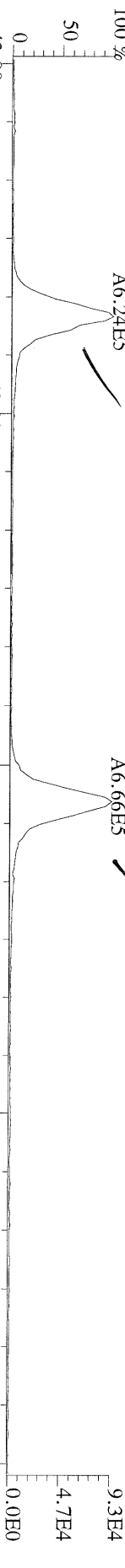
File:07MAY11M #1-476 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



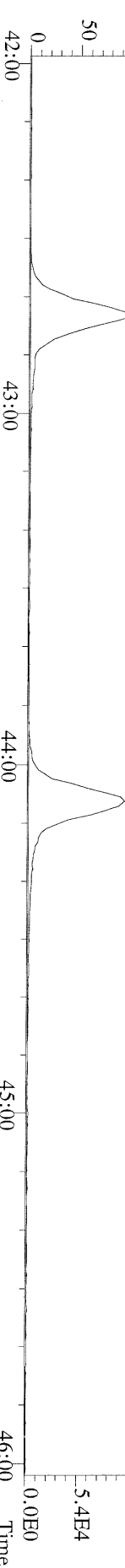
File:07MAY11M #1-476 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



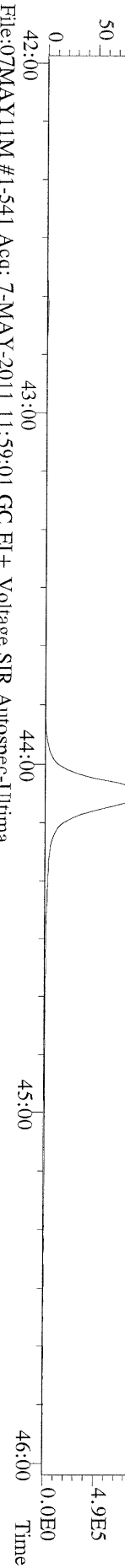
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Utima  
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



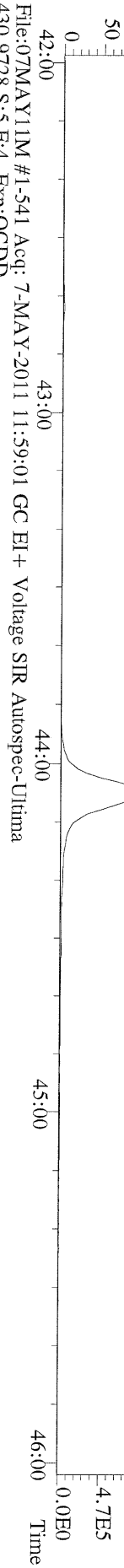
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Utima  
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



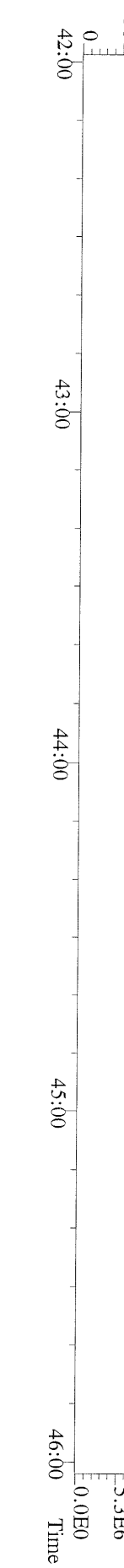
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Utima  
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



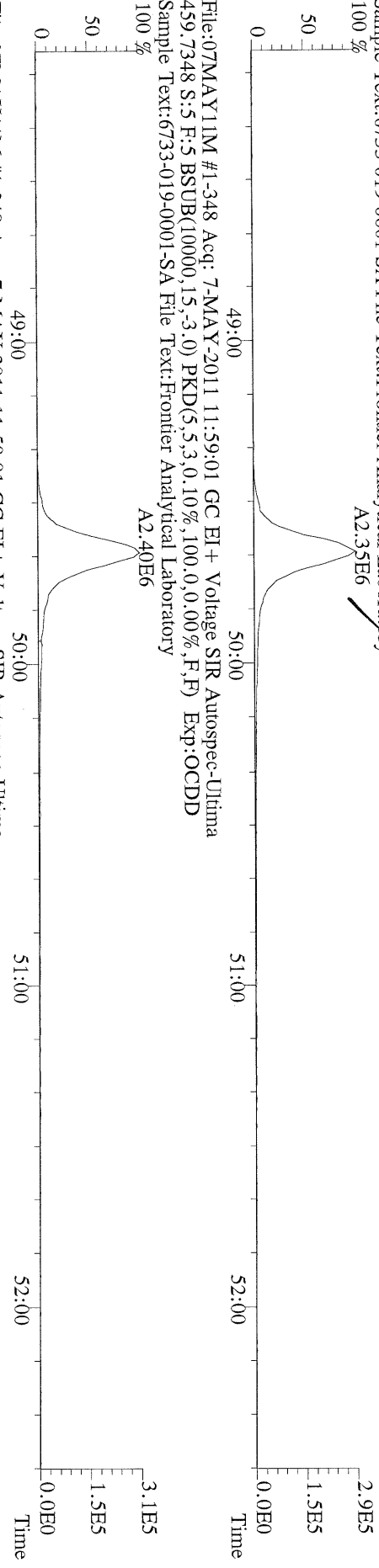
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Utima  
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



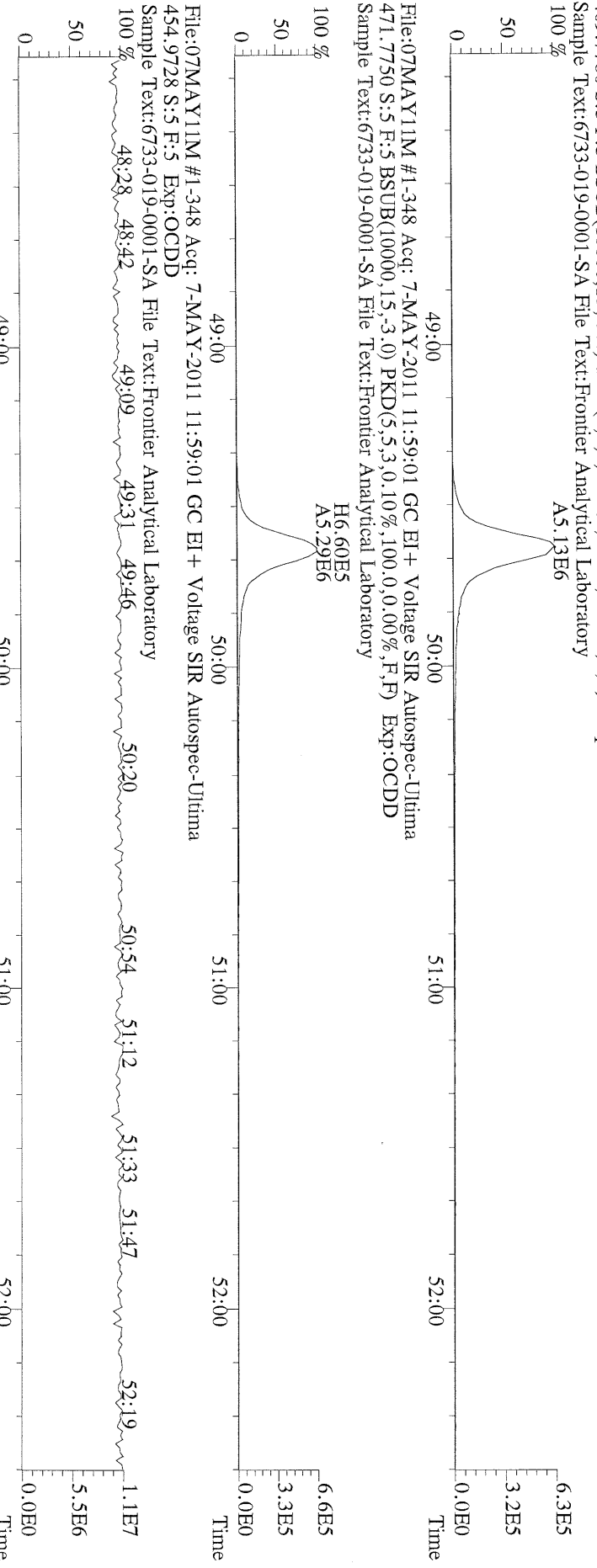
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Utima  
430.9728 S:5 F:4 Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



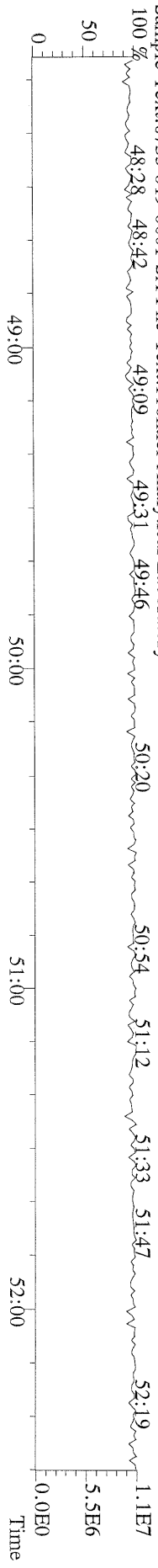
File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI + Voltage SIR Autospec-Ultima  
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI + Voltage SIR Autospec-Ultima  
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory

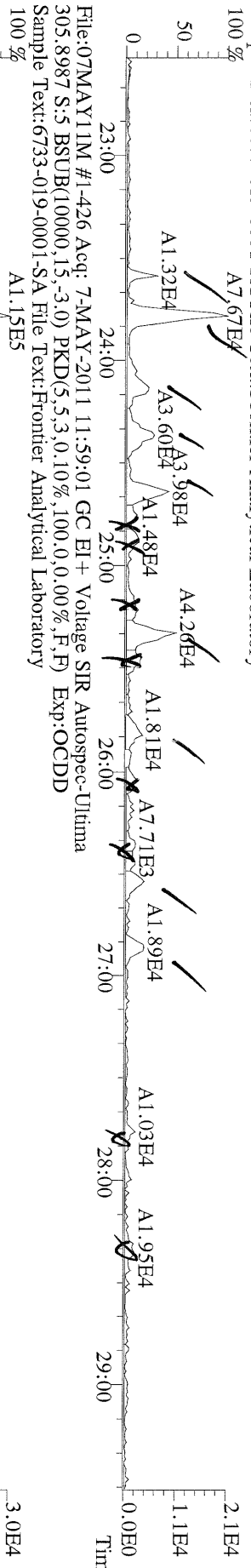


File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI + Voltage SIR Autospec-Ultima  
454.9728 S:5 F:5 Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory

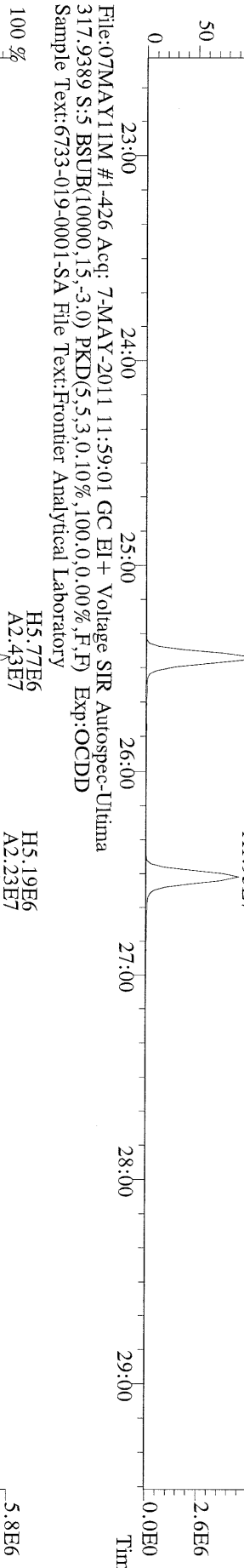




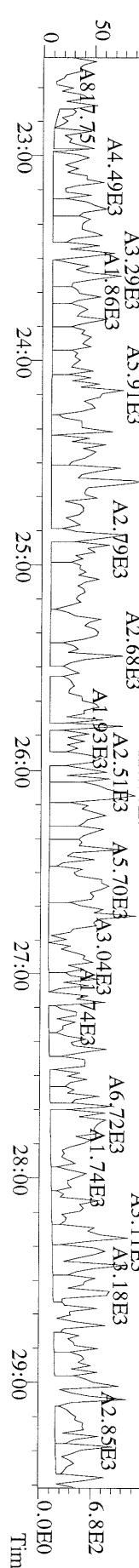
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



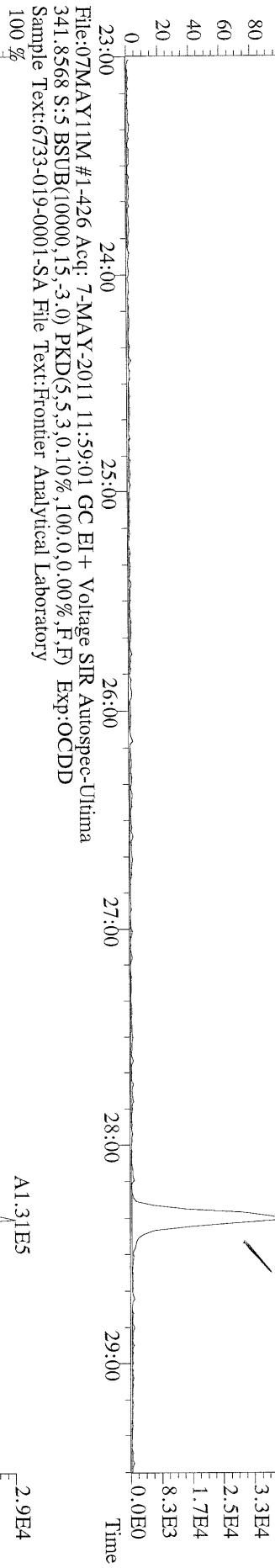
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



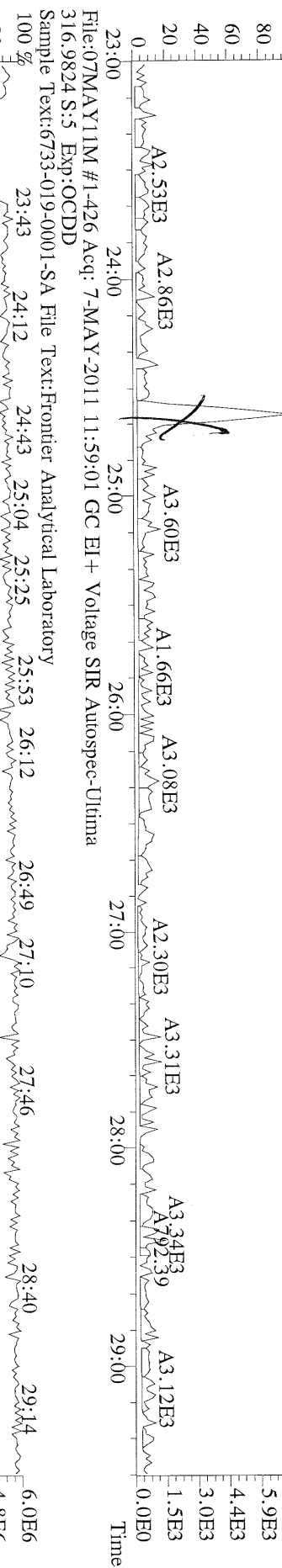
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 339.8568 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



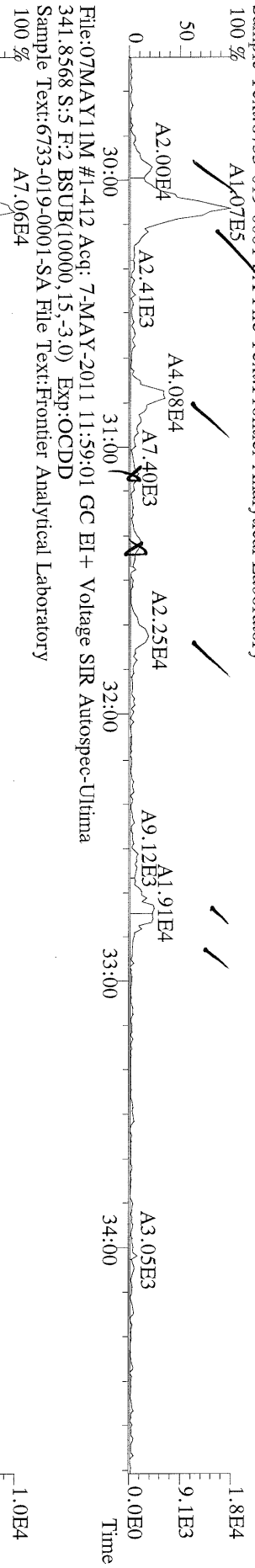
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



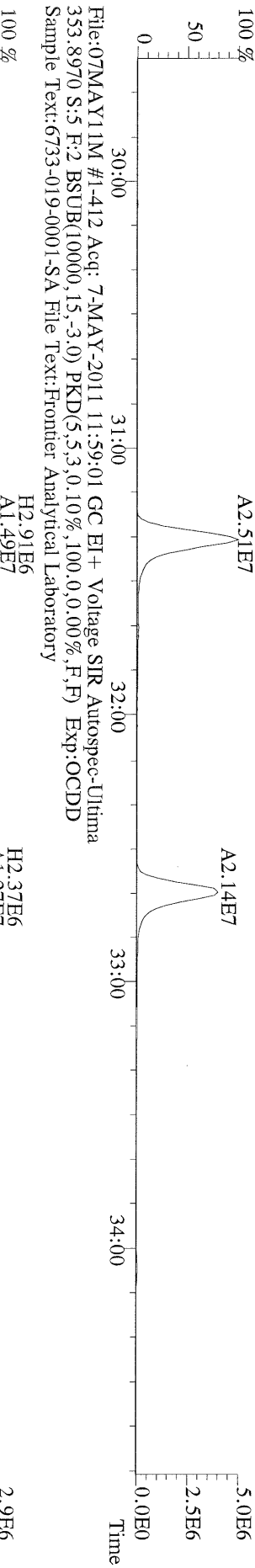
File:07MAY11M #1-426 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 316.9824 S:5 Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



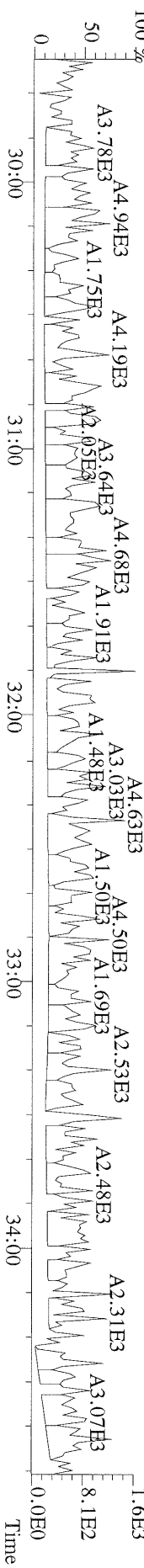
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



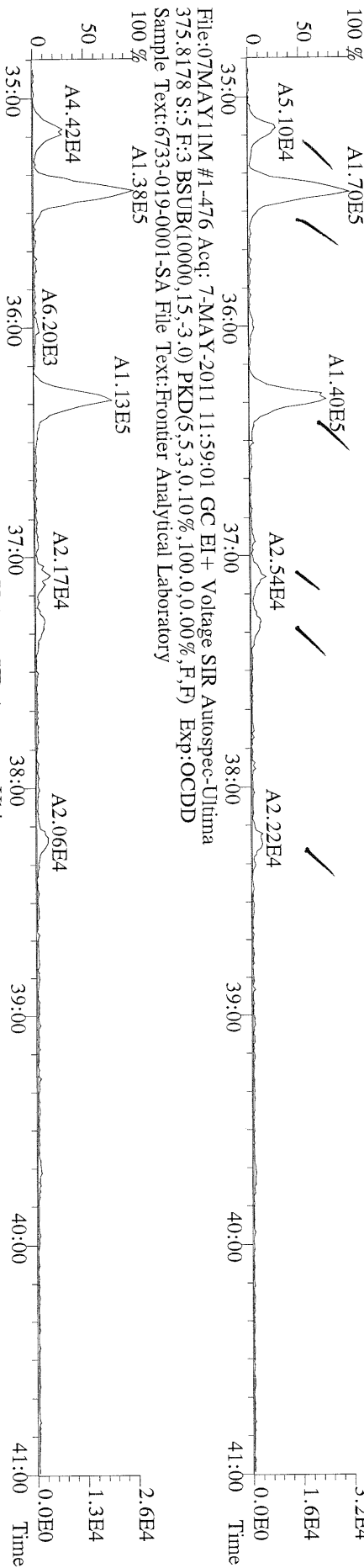
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



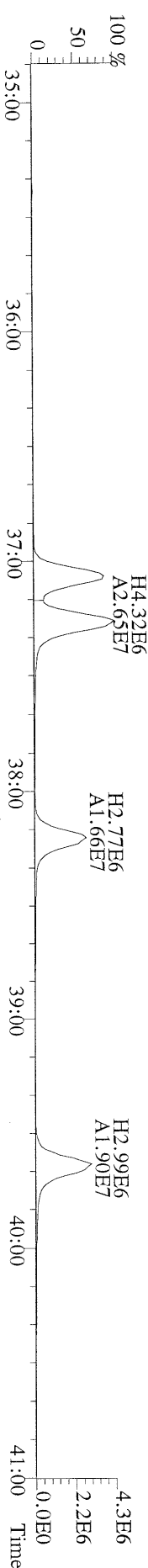
File:07MAY11M #1-412 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



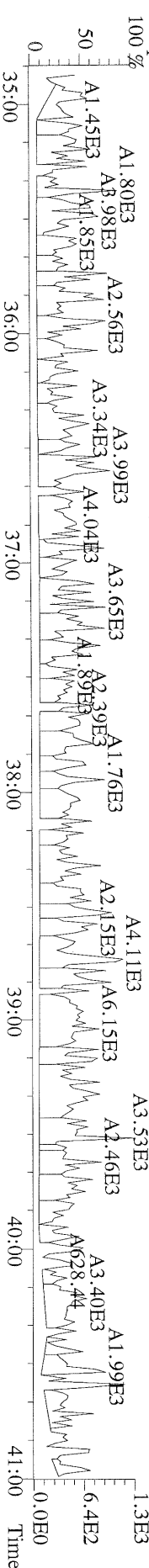
File:07MAY11M #1-476 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



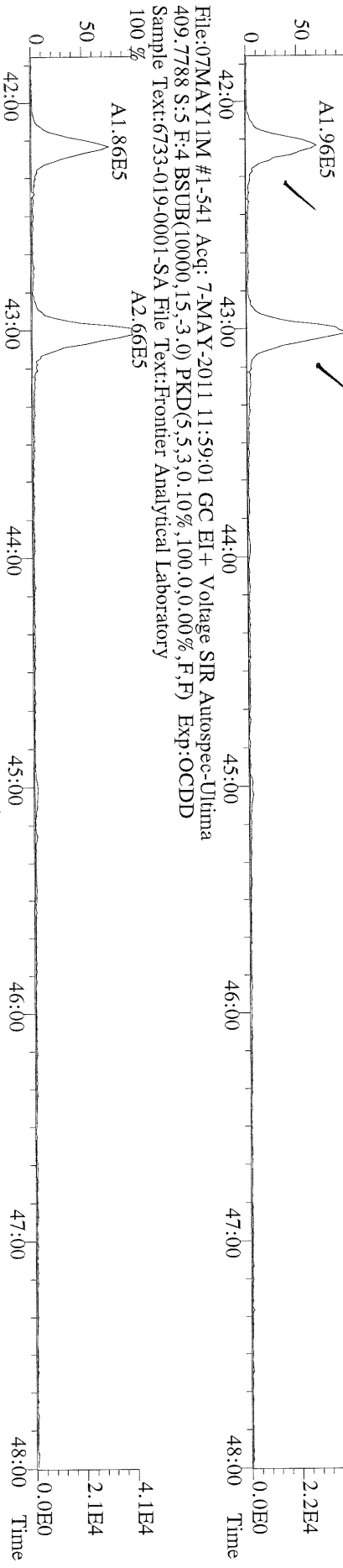
File:07MAY11M #1-476 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



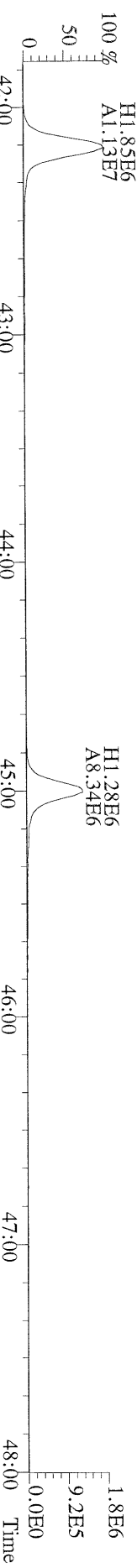
File:07MAY11M #1-476 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



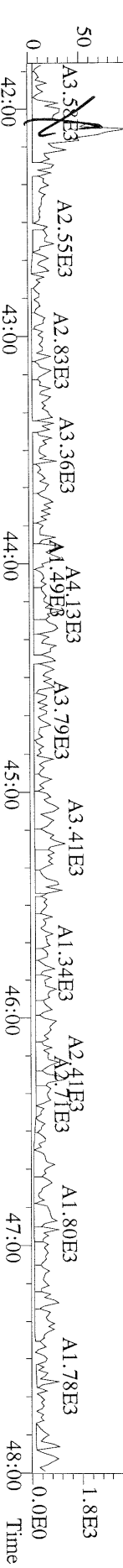
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



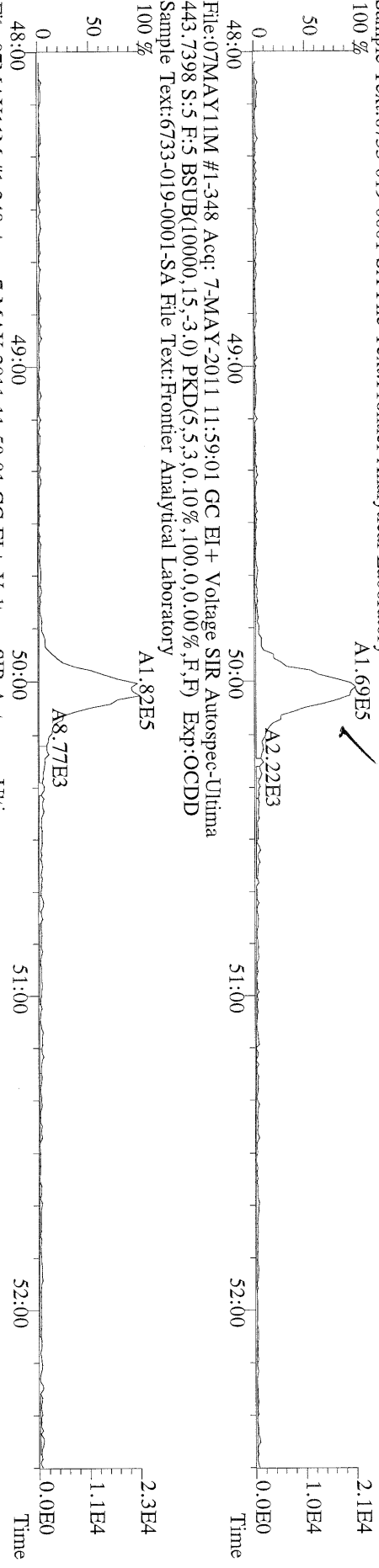
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



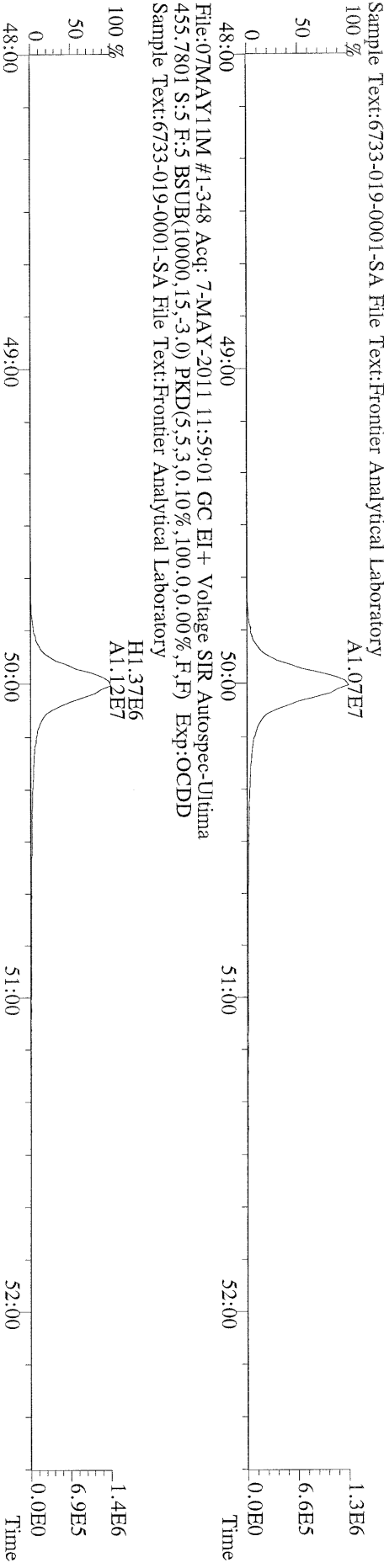
File:07MAY11M #1-541 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory



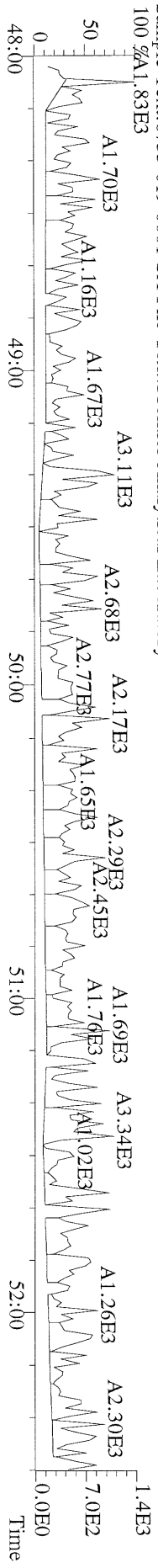
File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



File:07MAY11M #1-348 Acq: 7-MAY-2011 11:59:01 GC EI+ Voltage SIR Autospec-Ultima  
 513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:6733-019-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



Frontier Analytical Laboratory

Data Filename: 07MAR11M

Analyte:

Cal: PCDDFAL3-3-7-11

Name	RRF	S. D.	%RSD	S1 RRF#1	S3 RRF#2	S4 RRF#3	S5 RRF#4	S6 RRF#5	S7 RRF#6
2,3,7,8-TCDD	1.13	0.0358	3.15 %	1.14	1.19	1.14	1.10	1.15	1.08
1,2,3,7,8-PeCDD	1.02	0.0355	3.50 %	1.00	1.05	1.06	0.97	1.02	0.99
1,2,3,4,7,8-HxCDD	1.45	0.0498	3.44 %	1.38	1.50	1.51	1.43	1.43	1.43
1,2,3,6,7,8-HxCDD	1.45	0.0324	2.22 %	1.43	1.45	1.47	1.41	1.51	1.46
1,2,3,7,8,9-HxCDD	1.47	0.0344	2.34 %	1.44	1.52	1.51	1.45	1.45	1.46
1,2,3,4,6,7,8-HpCDD	1.30	0.0553	4.25 %	1.23	1.29	1.28	1.27	1.35	1.38
OCDD	1.45	0.0473	3.27 %	1.38	1.45	1.47	1.40	1.48	1.51
2,3,7,8-TCDF	1.15	0.0712	6.20 %	1.08	1.12	1.13	1.11	1.28	1.17
1,2,3,7,8-PeCDF	0.89	0.0530	5.99 %	0.90	0.95	0.94	0.86	0.83	0.83
2,3,4,7,8-PeCDF	0.89	0.0412	4.61 %	0.88	0.94	0.95	0.88	0.87	0.85
1,2,3,4,7,8-HxCDF	1.01	0.0438	4.34 %	1.00	1.07	1.06	0.99	0.96	0.98
1,2,3,6,7,8-HxCDF	0.89	0.0360	4.03 %	0.89	0.93	0.94	0.88	0.85	0.86
2,3,4,6,7,8-HxCDF	1.02	0.0393	3.87 %	1.00	1.06	1.07	0.99	0.98	1.00
1,2,3,7,8,9-HxCDF	1.10	0.0452	4.09 %	1.10	1.16	1.16	1.08	1.07	1.06
1,2,3,4,6,7,8-HpCDF	1.48	0.0590	3.99 %	1.47	1.55	1.55	1.45	1.46	1.40
1,2,3,4,7,8,9-HpCDF	1.43	0.0690	4.84 %	1.42	1.50	1.53	1.37	1.37	1.37
OCDF	0.84	0.0365	4.33 %	0.82	0.87	0.90	0.82	0.84	0.81
13C-2,3,7,8-TCDD	1.03	0.0380	3.69 %	1.00	1.09	1.07	1.00	1.01	1.01
13C-1,2,3,7,8-PeCDD	1.01	0.101	9.97 %	1.03	1.19	1.04	0.94	0.93	0.94
13C-1,2,3,4,7,8-HxCDD	1.19	0.0331	2.78 %	1.20	1.13	1.22	1.18	1.22	1.19
13C-1,2,3,6,7,8-HxCDD	0.94	0.0319	3.41 %	0.92	0.89	0.98	0.95	0.92	0.95
13C-1,2,3,4,6,7,8-HpCDD	0.83	0.0350	4.23 %	0.85	0.84	0.88	0.81	0.80	0.79
13C-OCDD	0.61	0.0577	9.50 %	0.62	0.67	0.68	0.58	0.55	0.55
13C-2,3,7,8-TCDF	0.98	0.0376	3.84 %	0.96	1.03	1.02	0.96	0.96	0.94
13C-1,2,3,7,8-PeCDF	0.83	0.0801	9.66 %	0.80	0.97	0.87	0.79	0.77	0.78
13C-2,3,4,7,8-PeCDF	0.80	0.0780	9.70 %	0.79	0.95	0.83	0.75	0.77	0.74
13C-1,2,3,4,7,8-HxCDF	1.84	0.150	8.15 %	1.80	1.56	1.84	1.92	1.94	1.97
13C-1,2,3,6,7,8-HxCDF	2.29	0.135	5.90 %	2.28	2.03	2.31	2.33	2.38	2.41
13C-2,3,4,6,7,8-HxCDF	1.86	0.102	5.48 %	1.86	1.66	1.89	1.90	1.92	1.94
13C-1,2,3,7,8,9-HxCDF	1.98	0.0603	3.04 %	1.96	1.94	2.10	1.96	1.96	1.98
13C-1,2,3,4,6,7,8-HpCDF	0.99	0.0284	2.88 %	0.99	0.95	1.04	0.97	0.98	0.99
13C-1,2,3,4,7,8,9-HpCDF	0.77	0.0396	5.17 %	0.77	0.80	0.82	0.74	0.73	0.73
13C-OCDF	1.17	0.110	9.46 %	1.13	1.30	1.30	1.12	1.06	1.07
37Cl-2,3,7,8-TCDD	0.73	0.0479	6.57 %	0.68	0.81	0.75	0.68	0.74	0.71
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-
13C-1,2,3,4-TCDF	-	-	- %	-	-	-	-	-	-
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-
Total Tetra-Dioxins	1.13	0.0358	3.15 %	1.14	1.19	1.14	1.10	1.15	1.08
Total Penta-Dioxins	1.02	0.0355	3.50 %	1.00	1.05	1.06	0.97	1.02	0.99
Total Hexa-Dioxins	1.46	0.0325	2.23 %	1.42	1.49	1.50	1.43	1.46	1.45
Total Hepta-Dioxins	1.30	0.0553	4.25 %	1.23	1.29	1.28	1.27	1.35	1.38
Total Tetra-Furans	1.15	0.0712	6.20 %	1.08	1.12	1.13	1.11	1.28	1.17
1st Fn. Tot Penta-Furans	0.89	0.0461	5.19 %	0.89	0.94	0.95	0.87	0.85	0.84
Total Penta-Furans	0.89	0.0461	5.19 %	0.89	0.94	0.95	0.87	0.85	0.84
Total Hexa-Furans	1.00	0.0418	4.17 %	0.99	1.05	1.05	0.98	0.96	0.97
Total Hepta-Furans	1.46	0.0618	4.24 %	1.45	1.52	1.54	1.42	1.42	1.39

Analytst: \_\_\_\_\_ Date: 3/8/6 \_\_\_\_\_

Run #6      Filename 07MAR11M      S: 7      Acquired: 7-MAR-11 17:30:33      Cal: PCDDFAL3-3-7-11  
Client ID: ST030711M0      Analyte:      FAL ID: 1613 CS0 100511G

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	0.25	9.59e+04	0.86 y	27:26	- 1.08 y
2	Unk	1,2,3,7,8-PeCDD	1.25	4.09e+05	1.37 y	33:16	- 0.994 y
3	Unk	1,2,3,4,7,8-HxCDD	1.25	4.19e+05	1.25 y	38:38	- 1.43 y
4	Unk	1,2,3,6,7,8-HxCDD	1.25	3.40e+05	1.31 y	38:48	- 1.46 y
5	Unk	1,2,3,7,8,9-HxCDD	1.25	3.83e+05	1.25 y	39:15	- 1.46 y
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	2.68e+05	0.90 y	44:15	- 1.38 y
7	Unk	OCDD	2.50	4.06e+05	1.00 y	49:49	- 1.51 y
8	Unk	2,3,7,8-TCDF	0.25	1.91e+05	0.68 y	26:40	- 1.17 y
9	Unk	1,2,3,7,8-PeCDF	1.25	5.55e+05	1.61 y	31:32	- 0.827 y
10	Unk	2,3,4,7,8-PeCDF	1.25	5.45e+05	1.61 y	32:51	- 0.848 y
11	Unk	1,2,3,4,7,8-HxCDF	1.25	4.74e+05	1.22 y	37:14	- 0.978 y
12	Unk	1,2,3,6,7,8-HxCDF	1.25	5.08e+05	1.18 y	37:26	- 0.859 y
13	Unk	2,3,4,6,7,8-HxCDF	1.25	4.76e+05	1.20 y	38:23	- 1.00 y
14	Unk	1,2,3,7,8,9-HxCDF	1.25	5.14e+05	1.18 y	39:50	- 1.06 y
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	3.41e+05	1.02 y	42:21	- 1.40 y
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	2.47e+05	1.03 y	45:09	- 1.37 y
17	Unk	OCDF	2.50	4.26e+05	0.90 y	50:12	- 0.808 y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.54e+07	0.69 y	27:25	- 1.01 y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	3.29e+07	1.72 y	33:15	- 0.937 y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.34e+07	1.29 y	38:37	- 1.19 y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.87e+07	1.29 y	38:47	- 0.950 y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.55e+07	1.03 y	44:13	- 0.789 y
23	IS	13C-OCDD	200.00	2.16e+07	1.00 y	49:48	- 0.549 y
24	IS	13C-2,3,7,8-TCDF	100.00	6.53e+07	0.87 y	26:39	- 0.944 y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	5.37e+07	1.66 y	31:30	- 0.776 y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	5.14e+07	1.64 y	32:50	- 0.743 y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.88e+07	0.45 y	37:14	- 1.97 y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.73e+07	0.45 y	37:26	- 2.41 y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	3.80e+07	0.45 y	38:22	- 1.94 y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.88e+07	0.44 y	39:49	- 1.98 y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.95e+07	0.46 y	42:19	- 0.991 y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.44e+07	0.46 y	45:09	- 0.734 y
33	IS	13C-OCDF	200.00	4.22e+07	0.92 y	50:10	- 1.07 y
34	C/Up	37Cl-2,3,7,8-TCDD	0.25	6.27e+04		27:27	- 0.713 y
35	RS	13C-1,2,3,4-TCDD	100.00	3.52e+07	0.69 y	26:50	3.52e+05 - n
36	RS	13C-1,2,3,4-TCDF	100.00	6.92e+07	0.87 y	25:34	6.92e+05 - n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.96e+07	1.26 y	39:14	1.96e+05 - n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	- 1.08 y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	- 0.994 y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	- 1.45 y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	- 1.38 y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	- 1.17 y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	- 0.837 y
44	Tot	Total Penta-Furans	0.00	-	- n	-	- 0.837 y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	- 0.968 y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	- 1.39 y

Analyst:   8        Date:   3/8/11



Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk      2,3,7,8-TCDD	0.50	2.28e+05	0.79 y	27:27	-	1.15 y
2	Unk      1,2,3,7,8-PeCDD	2.50	9.30e+05	1.41 y	33:16	-	1.02 y
3	Unk      1,2,3,4,7,8-HxCDD	2.50	9.70e+05	1.30 y	38:39	-	1.43 y
4	Unk      1,2,3,6,7,8-HxCDD	2.50	7.73e+05	1.27 y	38:49	-	1.51 y
5	Unk      1,2,3,7,8,9-HxCDD	2.50	8.60e+05	1.26 y	39:15	-	1.45 y
6	Unk      1,2,3,4,6,7,8-HpCDD	2.50	5.96e+05	0.89 y	44:15	-	1.35 y
7	Unk      OCDD	5.00	9.00e+05	0.94 y	49:49	-	1.48 y
8	Unk      2,3,7,8-TCDF	0.50	4.62e+05	0.69 y	26:41	-	1.28 y
9	Unk      1,2,3,7,8-PeCDF	2.50	1.21e+06	1.64 y	31:32	-	0.831 y
10	Unk      2,3,4,7,8-PeCDF	2.50	1.26e+06	1.64 y	32:52	-	0.871 y
11	Unk      1,2,3,4,7,8-HxCDF	2.50	1.03e+06	1.23 y	37:15	-	0.962 y
12	Unk      1,2,3,6,7,8-HxCDF	2.50	1.13e+06	1.22 y	37:27	-	0.853 y
13	Unk      2,3,4,6,7,8-HxCDF	2.50	1.04e+06	1.22 y	38:23	-	0.978 y
14	Unk      1,2,3,7,8,9-HxCDF	2.50	1.16e+06	1.19 y	39:50	-	1.07 y
15	Unk      1,2,3,4,6,7,8-HpCDF	2.50	7.95e+05	1.02 y	42:21	-	1.46 y
16	Unk      1,2,3,4,7,8,9-HpCDF	2.50	5.56e+05	1.03 y	45:10	-	1.37 y
17	Unk      OCDF	5.00	9.90e+05	0.91 y	50:12	-	0.844 y
18	IS/RT      13C-2,3,7,8-TCDD	100.00	3.97e+07	0.69 y	27:25	-	1.01 y
19	IS      13C-1,2,3,7,8-PeCDD	100.00	3.66e+07	1.72 y	33:16	-	0.933 y
20	IS      13C-1,2,3,4,7,8-HxCDD	100.00	2.71e+07	1.29 y	38:38	-	1.22 y
21	IS      13C-1,2,3,6,7,8-HxCDD	100.00	2.05e+07	1.29 y	38:47	-	0.925 y
22	IS      13C-1,2,3,4,6,7,8-HpCDD	100.00	1.77e+07	1.06 y	44:14	-	0.796 y
23	IS      13C-OCDD	200.00	2.44e+07	1.01 y	49:48	-	0.550 y
24	IS      13C-2,3,7,8-TCDF	100.00	7.23e+07	0.88 y	26:40	-	0.955 y
25	IS      13C-1,2,3,7,8-PeCDF	100.00	5.81e+07	1.63 y	31:31	-	0.768 y
26	IS      13C-2,3,4,7,8-PeCDF	100.00	5.81e+07	1.65 y	32:50	-	0.767 y
27	IS      13C-1,2,3,4,7,8-HxCDF	100.00	4.30e+07	0.45 y	37:14	-	1.94 y
28	IS      13C-1,2,3,6,7,8-HxCDF	100.00	5.29e+07	0.44 y	37:25	-	2.38 y
29	IS      13C-2,3,4,6,7,8-HxCDF	100.00	4.25e+07	0.45 y	38:23	-	1.92 y
30	IS      13C-1,2,3,7,8,9-HxCDF	100.00	4.33e+07	0.45 y	39:49	-	1.96 y
31	IS      13C-1,2,3,4,6,7,8-HpCDF	100.00	2.18e+07	0.47 y	42:19	-	0.982 y
32	IS      13C-1,2,3,4,7,8,9-HpCDF	100.00	1.62e+07	0.47 y	45:09	-	0.731 y
33	IS      13C-OCDF	200.00	4.69e+07	0.92 y	50:11	-	1.06 y
34	C/Up      37Cl-2,3,7,8-TCDD	0.50	1.46e+05		27:27	-	0.743 y
35	RS      13C-1,2,3,4-TCDD	100.00	3.92e+07	0.67 y	26:50	3.92e+05	- n
36	RS      13C-1,2,3,4-TCDF	100.00	7.57e+07	0.87 y	25:34	7.57e+05	- n
37	RS/RT      13C-1,2,3,7,8,9-HxCDD	100.00	2.22e+07	1.31 y	39:14	2.22e+05	- n
38	Tot      Total Tetra-Dioxins	0.00	-	- n	-	-	1.15 y
39	Tot      Total Penta-Dioxins	0.00	-	- n	-	-	1.02 y
40	Tot      Total Hexa-Dioxins	0.00	-	- n	-	-	1.46 y
41	Tot      Total Hepta-Dioxins	0.00	-	- n	-	-	1.35 y
42	Tot      Total Tetra-Furans	0.00	-	- n	-	-	1.28 y
43	Tot      1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.851 y
44	Tot      Total Penta-Furans	0.00	-	- n	-	-	0.851 y
45	Tot      Total Hexa-Furans	0.00	-	- n	-	-	0.959 y
46	Tot      Total Hepta-Furans	0.00	-	- n	-	-	1.42 y

Analyst:       Date: 3/8/11

Run #4 Filename 07MAR11M  
Client ID: ST030711M2

S: 5 Acquired: 7-MAR-11 15:39:48 Cal: PCDDFAL3-3-7-11  
Analyte: FAL ID: 1613 CS2 1005111

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	2.00	8.73e+05	0.83 y	27:26	-	1.10 y
2	Unk	1,2,3,7,8-PeCDD	10.00	3.61e+06	1.37 y	33:17	-	0.968 y
3	Unk	1,2,3,4,7,8-HxCDD	10.00	3.85e+06	1.27 y	38:39	-	1.43 y
4	Unk	1,2,3,6,7,8-HxCDD	10.00	3.06e+06	1.27 y	38:49	-	1.41 y
5	Unk	1,2,3,7,8,9-HxCDD	10.00	3.51e+06	1.26 y	39:16	-	1.45 y
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	2.34e+06	0.89 y	44:16	-	1.27 y
7	Unk	OCDD	20.00	3.72e+06	0.95 y	49:50	-	1.40 y
8	Unk	2,3,7,8-TCDF	2.00	1.59e+06	0.66 y	26:41	-	1.11 y
9	Unk	1,2,3,7,8-PeCDF	10.00	5.06e+06	1.69 y	31:32	-	0.865 y
10	Unk	2,3,4,7,8-PeCDF	10.00	4.87e+06	1.64 y	32:51	-	0.875 y
11	Unk	1,2,3,4,7,8-HxCDF	10.00	4.35e+06	1.19 y	37:16	-	0.991 y
12	Unk	1,2,3,6,7,8-HxCDF	10.00	4.70e+06	1.21 y	37:27	-	0.882 y
13	Unk	2,3,4,6,7,8-HxCDF	10.00	4.30e+06	1.19 y	38:24	-	0.992 y
14	Unk	1,2,3,7,8,9-HxCDF	10.00	4.82e+06	1.21 y	39:51	-	1.08 y
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	3.23e+06	1.04 y	42:21	-	1.45 y
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	2.31e+06	1.02 y	45:11	-	1.37 y
17	Unk	OCDF	20.00	4.19e+06	0.94 y	50:13	-	0.817 y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.96e+07	0.69 y	27:25	-	0.995 y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	3.73e+07	1.67 y	33:15	-	0.938 y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.70e+07	1.28 y	38:38	-	1.18 y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.16e+07	1.28 y	38:48	-	0.946 y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.84e+07	1.07 y	44:14	-	0.806 y
23	IS	13C-OCDD	200.00	2.65e+07	0.98 y	49:49	-	0.581 y
24	IS	13C-2,3,7,8-TCDF	100.00	7.17e+07	0.87 y	26:40	-	0.964 y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	5.85e+07	1.63 y	31:31	-	0.787 y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	5.57e+07	1.62 y	32:51	-	0.748 y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	4.39e+07	0.44 y	37:14	-	1.92 y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	5.33e+07	0.45 y	37:26	-	2.33 y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.34e+07	0.44 y	38:23	-	1.90 y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	4.48e+07	0.44 y	39:49	-	1.96 y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.22e+07	0.48 y	42:19	-	0.972 y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.68e+07	0.46 y	45:10	-	0.736 y
33	IS	13C-OCDF	200.00	5.13e+07	0.92 y	50:11	-	1.12 y
34	C/Up	37Cl-2,3,7,8-TCDD	2.00	5.42e+05		27:26	-	0.682 y
35	RS	13C-1,2,3,4-TCDD	100.00	3.98e+07	0.68 y	26:51	3.98e+05	- n
36	RS	13C-1,2,3,4-TCDF	100.00	7.44e+07	0.87 y	25:35	7.44e+05	- n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.28e+07	1.27 y	39:14	2.28e+05	- n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.10 y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.968 y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.43 y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.27 y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.11 y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.870 y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.870 y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.980 y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.42 y

Analyst: 8

Date: 3/8/11



Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	40.00	1.84e+07	0.80 y	27:27	-	1.14 y
2	Unk 1,2,3,7,8-PeCDD	200.00	8.36e+07	1.43 y	33:16	-	1.06 y
3	Unk 1,2,3,4,7,8-HxCDD	200.00	9.27e+07	1.28 y	38:40	-	1.51 y
4	Unk 1,2,3,6,7,8-HxCDD	200.00	7.25e+07	1.27 y	38:49	-	1.47 y
5	Unk 1,2,3,7,8,9-HxCDD	200.00	8.35e+07	1.27 y	39:16	-	1.51 y
6	Unk 1,2,3,4,6,7,8-HpCDD	200.00	5.64e+07	0.89 y	44:15	-	1.28 y
7	Unk OCDD	400.00	1.00e+08	0.91 y	49:51	-	1.47 y
8	Unk 2,3,7,8-TCDF	40.00	3.24e+07	0.67 y	26:40	-	1.13 y
9	Unk 1,2,3,7,8-PeCDF	200.00	1.15e+08	1.67 y	31:33	-	0.943 y
10	Unk 2,3,4,7,8-PeCDF	200.00	1.10e+08	1.63 y	32:52	-	0.948 y
11	Unk 1,2,3,4,7,8-HxCDF	200.00	9.76e+07	1.20 y	37:15	-	1.06 y
12	Unk 1,2,3,6,7,8-HxCDF	200.00	1.09e+08	1.20 y	37:28	-	0.943 y
13	Unk 2,3,4,6,7,8-HxCDF	200.00	1.01e+08	1.20 y	38:24	-	1.07 y
14	Unk 1,2,3,7,8,9-HxCDF	200.00	1.22e+08	1.22 y	39:50	-	1.16 y
15	Unk 1,2,3,4,6,7,8-HpCDF	200.00	8.08e+07	1.03 y	42:21	-	1.55 y
16	Unk 1,2,3,4,7,8,9-HpCDF	200.00	6.31e+07	1.04 y	45:11	-	1.53 y
17	Unk OCDF	400.00	1.18e+08	0.93 y	50:13	-	0.902 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	4.05e+07	0.70 y	27:25	-	1.07 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	3.94e+07	1.69 y	33:16	-	1.04 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	3.06e+07	1.27 y	38:37	-	1.22 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	2.47e+07	1.27 y	38:48	-	0.983 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.20e+07	1.07 y	44:14	-	0.877 y
23	IS 13C-OCDD	200.00	3.41e+07	1.00 y	49:49	-	0.679 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.18e+07	0.87 y	26:39	-	1.02 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	6.11e+07	1.64 y	31:31	-	0.872 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	5.79e+07	1.63 y	32:51	-	0.826 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	4.62e+07	0.44 y	37:14	-	1.84 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	5.78e+07	0.44 y	37:26	-	2.31 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	4.75e+07	0.44 y	38:23	-	1.89 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	5.27e+07	0.44 y	39:49	-	2.10 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	2.60e+07	0.47 y	42:20	-	1.04 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.07e+07	0.47 y	45:09	-	0.823 y
33	IS 13C-OCDF	200.00	6.54e+07	0.93 y	50:12	-	1.30 y
34	C/Up 37Cl-2,3,7,8-TCDD	40.00	1.14e+07		27:27	-	0.750 y
35	RS 13C-1,2,3,4-TCDD	100.00	3.80e+07	0.72 y	26:50	3.80e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	7.01e+07	0.85 y	25:34	7.01e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	2.51e+07	1.26 y	39:14	2.51e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.14 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.06 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.50 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.28 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.13 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.945 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.945 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	1.05 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.54 y

Analyst: J Date: 3/8/11

Run #2 File: 07MAR11M  
Client ID: ST030711M5

S: 3

Acquired: 7-MAR-11 13:49:10

Cal: PCDDFAL3-3-7-11

Analyte:

FAL ID: 1613 CS5 100511L

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	200.00	1.01e+08	0.81 y	27:27	-	1.19 y
2	Unk 1,2,3,7,8-PeCDD	1000.00	4.92e+08	1.44 y	33:17	-	1.05 y
3	Unk 1,2,3,4,7,8-HxCDD	1000.00	5.94e+08	1.27 y	38:40	-	1.50 y
4	Unk 1,2,3,6,7,8-HxCDD	1000.00	4.50e+08	1.27 y	38:50	-	1.45 y
5	Unk 1,2,3,7,8,9-HxCDD	1000.00	5.37e+08	1.27 y	39:17	-	1.52 y
6	Unk 1,2,3,4,6,7,8-HpCDD	1000.00	3.78e+08	0.90 y	44:16	-	1.29 y
7	Unk OCDD	2000.00	6.82e+08	0.94 y	49:51	-	1.45 y
8	Unk 2,3,7,8-TCDF	200.00	1.66e+08	0.67 y	26:40	-	1.12 y
9	Unk 1,2,3,7,8-PeCDF	1000.00	6.62e+08	1.65 y	31:33	-	0.946 y
10	Unk 2,3,4,7,8-PeCDF	1000.00	6.43e+08	1.64 y	32:52	-	0.941 y
11	Unk 1,2,3,4,7,8-HxCDF	1000.00	5.86e+08	1.20 y	37:17	-	1.07 y
12	Unk 1,2,3,6,7,8-HxCDF	1000.00	6.59e+08	1.20 y	37:28	-	0.926 y
13	Unk 2,3,4,6,7,8-HxCDF	1000.00	6.19e+08	1.19 y	38:25	-	1.06 y
14	Unk 1,2,3,7,8,9-HxCDF	1000.00	7.85e+08	1.21 y	39:52	-	1.16 y
15	Unk 1,2,3,4,6,7,8-HpCDF	1000.00	5.15e+08	1.04 y	42:22	-	1.55 y
16	Unk 1,2,3,4,7,8,9-HpCDF	1000.00	4.21e+08	1.04 y	45:12	-	1.50 y
17	Unk OCDF	2000.00	7.93e+08	0.92 y	50:15	-	0.870 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	4.25e+07	0.70 y	27:25	-	1.09 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	4.67e+07	1.68 y	33:16	-	1.19 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	3.96e+07	1.27 y	38:39	-	1.13 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	3.11e+07	1.26 y	38:49	-	0.889 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.94e+07	1.07 y	44:15	-	0.839 y
23	IS 13C-OCDD	200.00	4.69e+07	1.01 y	49:51	-	0.671 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.41e+07	0.87 y	26:39	-	1.03 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	7.00e+07	1.66 y	31:32	-	0.974 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	6.83e+07	1.63 y	32:51	-	0.951 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	5.47e+07	0.44 y	37:15	-	1.56 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	7.11e+07	0.44 y	37:27	-	2.03 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	5.81e+07	0.44 y	38:23	-	1.66 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	6.78e+07	0.44 y	39:50	-	1.94 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	3.33e+07	0.47 y	42:21	-	0.951 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.81e+07	0.47 y	45:10	-	0.803 y
33	IS 13C-OCDF	200.00	9.12e+07	0.92 y	50:13	-	1.30 y
34	C/Up 37Cl-2,3,7,8-TCDD	200.00	6.33e+07		27:26	-	0.808 y
35	RS 13C-1,2,3,4-TCDD	100.00	3.92e+07	0.70 y	26:50	3.92e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	7.19e+07	0.87 y	25:34	7.19e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	3.50e+07	1.27 y	39:15	3.50e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.19 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.05 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.49 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.29 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.12 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.943 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.943 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	1.05 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.52 y

Analyst: J

Date: 3/8/11

## USEPA - ITD

## FORM 3A

## PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3

GC Column ID: DB5

CS0 Data Filename: 07MAR11M S1 CS3 Data Filename: 07MAR11M S5

CS1 Data Filename: 07MAR11M S3 CS4 Data Filename: 07MAR11M S6

CS2 Data Filename: 07MAR11M S4 CS5 Data Filename: 07MAR11M S7

	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
NATIVE ANALYTES								
2,3,7,8-TCDD	1.14	1.19	1.14	1.10	1.15	1.08	1.13	3.15
1,2,3,7,8-PeCDD	1.00	1.05	1.06	0.97	1.02	0.99	1.02	3.50
1,2,3,4,7,8-HxCDD	1.38	1.50	1.51	1.43	1.43	1.43	1.45	3.44
1,2,3,6,7,8-HxCDD	1.43	1.45	1.47	1.41	1.51	1.46	1.45	2.22
1,2,3,7,8,9-HxCDD	1.44	1.52	1.51	1.45	1.45	1.46	1.47	2.34
1,2,3,4,6,7,8-HpCDD	1.23	1.29	1.28	1.27	1.35	1.38	1.30	4.25
OCDD	1.38	1.45	1.47	1.40	1.48	1.51	1.45	3.27
2,3,7,8-TCDF	1.08	1.12	1.13	1.11	1.28	1.17	1.15	6.20
1,2,3,7,8-PeCDF	0.90	0.95	0.94	0.86	0.83	0.83	0.89	5.99
2,3,4,7,8-PeCDF	0.88	0.94	0.95	0.88	0.87	0.85	0.89	4.61
1,2,3,4,7,8-HxCDF	1.00	1.07	1.06	0.99	0.96	0.98	1.01	4.34
1,2,3,6,7,8-HxCDF	0.89	0.93	0.94	0.88	0.85	0.86	0.89	4.03
2,3,4,6,7,8-HxCDF	1.00	1.06	1.07	0.99	0.98	1.00	1.02	3.87
1,2,3,7,8,9-HxCDF	1.10	1.16	1.16	1.08	1.07	1.06	1.10	4.09
1,2,3,4,6,7,8-HpCDF	1.47	1.55	1.55	1.45	1.46	1.40	1.48	3.99
1,2,3,4,7,8,9-HpCDF	1.42	1.50	1.53	1.37	1.37	1.37	1.43	4.84
OCDF	0.82	0.87	0.90	0.82	0.84	0.81	0.84	4.33

Analyst:                     Date: 3/8/11

## USEPA - ITD

## FORM 3B

## PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 07MAR11M S1 CS4 Data Filename: 07MAR11M S5

CS1 Data Filename: 07MAR11M S3 CS4 Data Filename: 07MAR11M S6

CS2 Data Filename: 07MAR11M S4 CS5 Data Filename: 07MAR11M S7

Labeled Compounds	RELATIVE RESPONSE (RR)						MEAN	Cv
	CS1	CS2	CS3	CS4	CS5	CS6	RR	(%RSD)
13C-2,3,7,8-TCDD	1.00	1.09	1.07	1.00	1.01	1.01	1.03	3.69
13C-1,2,3,7,8-PeCDD	1.03	1.19	1.04	0.94	0.93	0.94	1.01	9.97
13C-1,2,3,4,7,8-HxCDD	1.20	1.13	1.22	1.18	1.22	1.19	1.19	2.78
13C-1,2,3,6,7,8-HxCDD	0.92	0.89	0.98	0.95	0.92	0.95	0.94	3.41
13C-1,2,3,4,6,7,8-HpCDD	0.85	0.84	0.88	0.81	0.80	0.79	0.83	4.23
13C-OCDD	0.62	0.67	0.68	0.58	0.55	0.55	0.61	9.50
13C-2,3,7,8-TCDF	0.96	1.03	1.02	0.96	0.96	0.94	0.98	3.84
13C-1,2,3,7,8-PeCDF	0.80	0.97	0.87	0.79	0.77	0.78	0.83	9.66
13C-2,3,4,7,8-PeCDF	0.79	0.95	0.83	0.75	0.77	0.74	0.80	9.70
13C-1,2,3,4,7,8-HxCDF	1.80	1.56	1.84	1.92	1.94	1.97	1.84	8.15
13C-1,2,3,6,7,8-HxCDF	2.28	2.03	2.31	2.33	2.38	2.41	2.29	5.90
13C-2,3,4,6,7,8-HxCDF	1.86	1.66	1.89	1.90	1.92	1.94	1.86	5.48
13C-1,2,3,7,8,9-HxCDF	1.96	1.94	2.10	1.96	1.96	1.98	1.98	3.04
13C-1,2,3,4,6,7,8-HpCDF	0.99	0.95	1.04	0.97	0.98	0.99	0.99	2.88
13C-1,2,3,4,7,8,9-HpCDF	0.77	0.80	0.82	0.74	0.73	0.73	0.77	5.17
13C-OCDF	1.13	1.30	1.30	1.12	1.06	1.07	1.17	9.46
CLEANUP STANDARD								
37Cl-2,3,7,8-TCDD	0.68	0.81	0.75	0.68	0.74	0.71	0.73	6.57

Analyst: 6Date: 3/8/11

## USEPA - ITD

## FORM 3C

## PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3

GC Column ID: DB5

CS0 Data Filename: 07MAR11M S1 CS3 Data Filename: 07MAR11M S5

CS1 Data Filename: 07MAR11M S3 CS4 Data Filename: 07MAR11M S6

CS2 Data Filename: 07MAR11M S4 CS5 Data Filename: 07MAR11M S7

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS						QC LIMITS
		CS1	CS2	CS3	CS4	CS5	CS6	
2,3,7,8-TCDD	M/M+2	0.83	0.81	0.80	0.83	0.79	0.86	0.65-0.89
1,2,3,7,8-PeCDD	M+2/M+4	1.44	1.44	1.43	1.37	1.41	1.37	1.32-1.78
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.27	1.28	1.27	1.30	1.25	1.05-1.43
1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.27	1.27	1.27	1.27	1.31	1.05-1.43
1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.27	1.27	1.26	1.26	1.25	1.05-1.43
1,2,3,4,6,7,8-HpCDD	M+2/M+4	0.90	0.90	0.89	0.89	0.89	0.90	0.88-1.20
OCDD	M+2/M+4	0.94	0.94	0.91	0.95	0.94	1.00	0.76-1.02
2,3,7,8-TCDF	M/M+2	0.67	0.67	0.67	0.66	0.69	0.68	0.65-0.89
1,2,3,7,8-PeCDF	M+2/M+4	1.66	1.65	1.67	1.69	1.64	1.61	1.32-1.78
2,3,4,7,8-PeCDF	M+2/M+4	1.65	1.64	1.63	1.64	1.64	1.61	1.32-1.78
1,2,3,4,7,8-HxCDF	M+2/M+4	1.20	1.20	1.20	1.19	1.23	1.22	1.05-1.43
1,2,3,6,7,8-HxCDF	M+2/M+4	1.22	1.20	1.20	1.21	1.22	1.18	1.05-1.43
2,3,4,6,7,8-HxCDF	M+2/M+4	1.20	1.19	1.20	1.19	1.22	1.20	1.05-1.43
1,2,3,7,8,9-HxCDF	M+2/M+4	1.21	1.21	1.22	1.21	1.19	1.18	1.05-1.43
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	1.04	1.03	1.04	1.02	1.02	0.88-1.20
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.05	1.04	1.04	1.02	1.03	1.03	0.88-1.20
OCDF	M+2/M+4	0.91	0.92	0.93	0.94	0.91	0.90	0.76-1.02

Analyst: 8Date: 3/8/11



FORM 3D  
PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 07MAR11M S1 CS3 Data Filename: 07MAR11M S5

CS1 Data Filename: 07MAR11M S3 CS4 Data Filename: 07MAR11M S6

CS2 Data Filename: 07MAR11M S4 CS5 Data Filename: 07MAR11M S7

Labeled Compounds	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS						QC LIMITS
		CS1	CS2	CS3	CS4	CS5	CS6	
13C-2,3,7,8-TCDD	M/M+2	0.67	0.70	0.70	0.69	0.69	0.69	0.65-0.89
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.70	1.68	1.69	1.67	1.72	1.72	1.32-1.78
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.27	1.27	1.28	1.29	1.29	1.05-1.43
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.26	1.27	1.28	1.29	1.29	1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	1.07	1.07	1.07	1.06	1.03	0.88-1.20
13C-OCDD	M+2/M+4	1.00	1.01	1.00	0.98	1.01	1.00	0.76-1.02
13C-2,3,7,8-TCDF	M/M+2	0.86	0.87	0.87	0.87	0.88	0.87	0.65-0.89
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.64	1.66	1.64	1.63	1.63	1.66	1.32-1.78
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.65	1.63	1.63	1.62	1.65	1.64	1.32-1.78
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.44	0.44	0.44	0.44	0.45	0.45	0.43-0.59
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.44	0.44	0.44	0.45	0.44	0.45	0.43-0.59
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.44	0.44	0.44	0.44	0.45	0.45	0.43-0.59
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.44	0.44	0.44	0.44	0.45	0.44	0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.48	0.47	0.47	0.48	0.47	0.46	0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.47	0.47	0.47	0.46	0.47	0.46	0.37-0.51
13C-OCDF	M+2/M+4	0.91	0.92	0.93	0.92	0.92	0.92	0.76-1.02

Analyst:         Date: 3/8/11

USEPA - ITD

FORM 4A

PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3 GC Column ID: DB5

VER Data Filename: 07MAR11M Sam:1 Analysis Date: 7-MAR-11 11:58:32

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
2,3,7,8-TCDD	M/M+2	0.83	0.65-0.89	y	10.1	7.80 - 12.9
1,2,3,7,8-PeCDD	M+2/M+4	1.44	1.32-1.78	y	49.3	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05-1.43	y	47.6	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05-1.43	y	49.3	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05-1.43	y	49.1	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	0.90	0.88-1.20	y	47.4	43.0 - 58.0
OCDD	M+2/M+4	0.94	0.76-1.02	y	95.4	79.0 - 126
2,3,7,8-TCDF	M/M+2	0.67	0.65-0.89	y	9.38	8.40 - 12.0
1,2,3,7,8-PeCDF	M+2/M+4	1.66	1.32-1.78	y	51.0	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.65	1.32-1.78	y	49.0	41.0 - 60.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.20	1.05-1.43	y	49.5	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.22	1.05-1.43	y	49.7	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.20	1.05-1.43	y	49.0	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.21	1.05-1.43	y	49.8	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	0.88-1.20	y	49.6	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.05	0.88-1.20	y	49.7	43.0 - 58.0
OCDF	M+2/M+4	0.91	0.76-1.02	y	97.1	63.0 - 159

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

Analyst:       **J**      

Date:       **3/8/11**

## USEPA - ITD

FORM 4B

## PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Initial Calibration Date: 3/7/11

Instrument ID: FAL3

GC Column ID: DB5

VER Data Filename: 07MAR11M Sam:1

Analysis Date: 7-MAR-11 11:58:32

LABELLED COMPOUNDS	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
13C-2,3,7,8-TCDD	M/M+2	0.67	0.65-0.89	y	97.6	82.0 - 121
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.70	1.32-1.78	y	101	62.0 - 160
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05-1.43	y	101	85.0 - 117
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05-1.43	y	98.3	85.0 - 118
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88-1.20	y	103	72.0 - 138
13C-OCDD	M+2/M+4	1.00	0.76-1.02	y	203	96.0 - 415
13C-2,3,7,8-TCDF	M/M+2	0.86	0.65-0.89	y	98.0	71.0 - 140
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.64	1.32-1.78	y	96.5	76.0 - 130
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.65	1.32-1.78	y	97.7	77.0 - 130
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.44	0.43-0.59	y	97.8	76.0 - 131
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.44	0.43-0.59	y	99.5	70.0 - 143
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.44	0.43-0.59	y	99.9	73.0 - 137
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.44	0.43-0.59	y	98.7	74.0 - 135
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.48	0.37-0.51	y	100	78.0 - 129
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.47	0.37-0.51	y	100	77.0 - 129
13C-OCDF	M+2/M+4	0.91	0.76-1.02	y	194	96.0 - 415
CLEANUP STANDARD (4)						
37Cl-2,3,7,8-TCDD					9.35	7.80 - 12.8

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) No ion abundance ratio; report concentration found.

Analyst: JDate: 3/8/11

FORM 5  
PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Frontier Analytical Laboratory Episode No.:  
Contract No.: SAS No.:  
Instrument ID: FAL3 Initial Calibration Date: 3/7/11  
RT Window Data Filename: 07MAR11M Sam:1 Analysis Date: 7-MAR-11 Time: 11:58:32  
DB-5 IS Data Filename: 07MAR11M Sam:1 Analysis Date: 7-MAR-11 Time: 11:58:32  
DB-225 IS Date Filename: Analysis Date: Time:

DB-5 RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	24:26	1,3,6,8-TCDF (F)	23:04
1,2,8,9-TCDD (L)	28:23	1,2,8,9-TCDF (L)	28:37
1,2,4,7,9-PeCDD (F)	30:18	1,3,4,6,8-PeCDF (F)	28:28
1,2,3,8,9-PeCDD (L)	33:52	1,2,3,8,9-PeCDF (L)	34:18
1,2,4,6,7,9-HxCDD (F)	36:12	1,2,3,4,6,8-HxCDF (F)	35:18
1,2,3,7,8,9-HxCDD (L)	39:17	1,2,3,7,8,9-HxCDF (L)	39:51
1,2,3,4,6,7,9-HpCDD (F)	42:53	1,2,3,4,6,7,8-HpCDF (F)	42:21
1,2,3,4,6,7,8-HpCDD (L)	44:16	1,2,3,4,7,8,9-HpCDF (L)	45:12

(F) = First eluting isomer (DB-5); (L) = Last eluting isomer (DB-5)

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT  
BETWEEN  
COMPARED PEAKS (1)

<25%

(1) To meet contract requirement, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: 8

Date: 3/8/11

## USEPA - ITD

## FORM 6A

## PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 3/7/11

Instrument ID: FAL3

GC Column ID: DB5

Analysis Date: 7-MAR-11 11:58:32 CS3 or VER Data Filename: 07MAR11M Sam:1

NATIVE ANALYTES	RETENTION TIME	RRT	RRT
	REFERENCE		QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.001	0.999-1.002
LABELED COMPOUNDS			
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.023	0.989-1.052
13C-2,3,7,8-TCDD		1.022	0.976-1.043
13C-2,3,7,8-TCDF		0.994	0.923-1.103
13C-1,2,3,7,8-PeCDD		1.239	1.000-1.567
13C-1,2,3,7,8-PeCDF		1.174	0.923-1.203
13C-2,3,4,7,8-PeCDF		1.224	0.923-1.303

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: 

Date: 3/8/11

## USEPA - ITD

## FORM 6B

## PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 3/7/11

Instrument ID: FAL3

GC Column ID: DB5

Analysis Date: 7-MAR-11 11:58:32 CS3 or VER Data Filename: 07MAR11M Sam:1

NATIVE ANALYTES	RETENTION TIME		RRT	RRT
	REFERENCE			QC LIMITS (1)
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD		1.001	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD		1.001	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,6,7,8-HxCDD		1.012	1.000-1.019
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF		1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF		1.000	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF		1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF		1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD		1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF		1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF		1.001	0.999-1.001
OCDD	13C-OCDD		1.001	0.999-1.001
OCDF	13C-OCDF		1.000	0.999-1.001
LABELED COMPOUNDS				
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,7,8,9-HxCDD		0.984	0.977-1.000
13C-1,2,3,6,7,8-HxCDD			0.988	0.981-1.003
13C-1,2,3,4,7,8-HxCDF			0.949	0.944-0.970
13C-1,2,3,6,7,8-HxCDF			0.954	0.949-0.975
13C-2,3,4,6,7,8-HxCDF			0.978	0.959-1.021
13C-1,2,3,7,8,9-HxCDF			1.014	0.977-1.047
13C-1,2,3,4,6,7,8-HpCDD			1.127	1.086-1.130
13C-1,2,3,4,6,7,8-HpCDF			1.079	1.043-1.085
13C-1,2,3,4,7,8,9-HpCDF			1.151	1.057-1.154
13C-OCDD			1.269	1.032-1.311
13C-OCDF			1.279	1.000-1.311

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: 8Date: 3/8/11

Name	Resp	RA	RT	RRF	WHO 1998 Tox:		WHO 2005 Tox:		DL	112
					Conc	Qual	Fac Noise-1	Noise-2		
2,3,7,8-TCDD	4.22e+06	0.83 y	27:27	1.13	10.1	2.50	-	-	*	
1,2,3,7,8-PeCDD	1.89e+07	1.44 y	33:17	1.02	49.3	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	2.00e+07	1.27 y	38:40	1.45	47.6	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.59e+07	1.26 y	38:50	1.45	49.3	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.85e+07	1.24 y	39:17	1.47	49.1	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.27e+07	0.90 y	44:16	1.30	47.4	2.50	-	-	*	
OCDD	2.05e+07	0.94 y	49:51	1.45	95.4	2.50	-	-	*	
2,3,7,8-TCDF	7.31e+06	0.67 y	26:41	1.15	9.38	2.50	-	-	*	
1,2,3,7,8-PeCDF	2.55e+07	1.66 y	31:33	0.89	51.0	2.50	-	-	*	
2,3,4,7,8-PeCDF	2.43e+07	1.65 y	32:52	0.89	49.0	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	2.17e+07	1.20 y	37:16	1.01	49.5	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	2.44e+07	1.22 y	37:28	0.89	49.7	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	2.24e+07	1.20 y	38:24	1.02	49.0	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	2.60e+07	1.21 y	39:51	1.10	49.8	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	1.75e+07	1.04 y	42:21	1.48	49.6	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	1.32e+07	1.05 y	45:12	1.43	49.7	2.50	-	-	*	
OCDF	2.23e+07	0.91 y	50:13	0.84	97.1	2.50	-	-	*	
										Rec
13C-2,3,7,8-TCDD	3.69e+07	0.67 y	27:26	1.03	97.6					97.6
13C-1,2,3,7,8-PeCDD	3.77e+07	1.70 y	33:16	1.01	101					101
13C-1,2,3,4,7,8-HxCDD	2.90e+07	1.27 y	38:38	1.19	101					101
13C-1,2,3,6,7,8-HxCDD	2.22e+07	1.27 y	38:48	0.94	98.3					98.3
13C-1,2,3,4,6,7,8-HpCDD	2.06e+07	1.06 y	44:15	0.83	103					103
13C-OCDD	2.97e+07	1.00 y	49:49	0.61	203					101
13C-2,3,7,8-TCDF	6.78e+07	0.86 y	26:40	0.98	98.0					98.0
13C-1,2,3,7,8-PeCDF	5.66e+07	1.64 y	31:31	0.83	96.5					96.5
13C-2,3,4,7,8-PeCDF	5.55e+07	1.65 y	32:51	0.80	97.7					97.7
13C-1,2,3,4,7,8-HxCDF	4.35e+07	0.44 y	37:15	1.84	97.8					97.8
13C-1,2,3,6,7,8-HxCDF	5.50e+07	0.44 y	37:27	2.29	99.5					99.5
13C-2,3,4,6,7,8-HxCDF	4.49e+07	0.44 y	38:23	1.86	99.9					99.9
13C-1,2,3,7,8,9-HxCDF	4.72e+07	0.44 y	39:49	1.98	98.7					98.7
13C-1,2,3,4,6,7,8-HpCDF	2.39e+07	0.48 y	42:21	0.99	100					100
13C-1,2,3,4,7,8,9-HpCDF	1.86e+07	0.47 y	45:10	0.77	100					100
13C-OCDF	5.45e+07	0.91 y	50:12	1.17	194					96.9
37Cl-2,3,7,8-TCDD	2.51e+06		27:27	0.73	9.35					93.5
13C-1,2,3,4-TCDD	3.68e+07	0.68 y	26:50	-	96.7					
13C-1,2,3,4-TCDF	7.07e+07	0.86 y	25:35	-	98.2					
13C-1,2,3,7,8,9-HxCDD	2.42e+07	1.26 y	39:15	-	97.3					
						Fac Noise-1	Noise-2	DL	#Hom	
Total Tetra-Dioxins	2.17e+07		24:26	1.13	52.0	2.50	-	-	*	18
Total Penta-Dioxins	3.97e+07		30:18	1.02	104	2.50	-	-	*	7
Total Hexa-Dioxins	6.13e+07		36:12	1.46	165	2.50	-	-	*	5
Total Hepta-Dioxins	2.51e+07		42:53	1.30	93.9	2.50	-	-	*	5
Total Tetra-Furans	3.66e+07		23:04	1.15	47.0	2.50	-	-	*	19
1st Fn. Tot Penta-Furans	3.12e+07		28:28	0.89	62.6	2.50	-	-	*	PeCDF 1
Total Penta-Furans	7.16e+07		30:15	0.89	144	2.50	-	-	*	206 9
Total Hexa-Furans	1.08e+08		35:18	1.00	227	2.50	-	-	*	10
Total Hepta-Furans	3.13e+07		42:21	1.46	101	2.50	-	-	*	7

Analyst: J      Date: 3/8/11

Frontier Analytical Laboratory - Acquisition Log

Run Name:07MAR11M Instrument: FAL3 GC: DB5 Experiment:OCDD

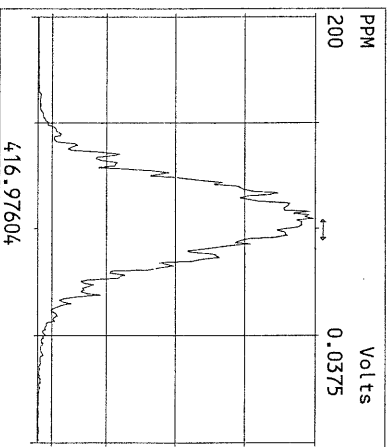
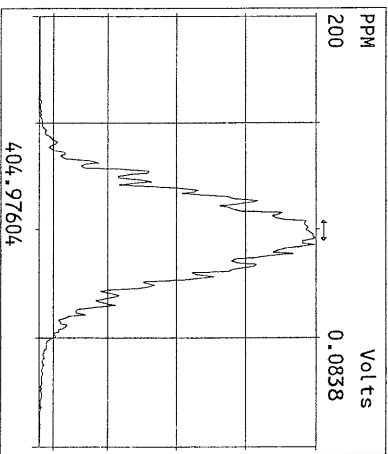
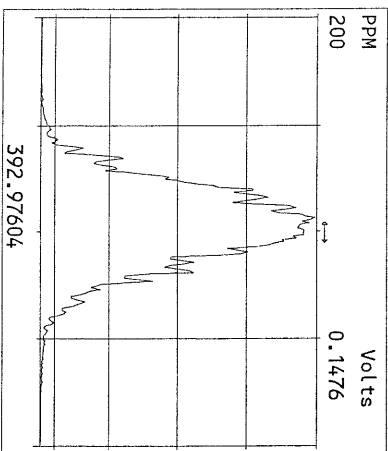
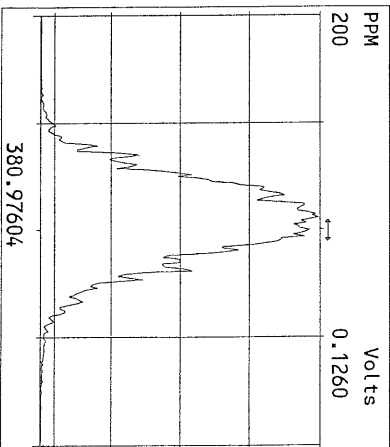
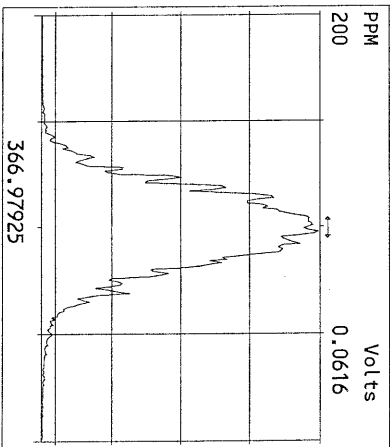
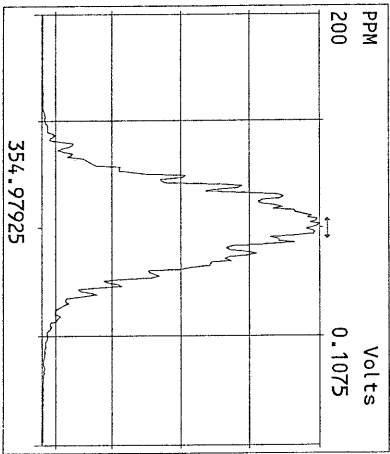
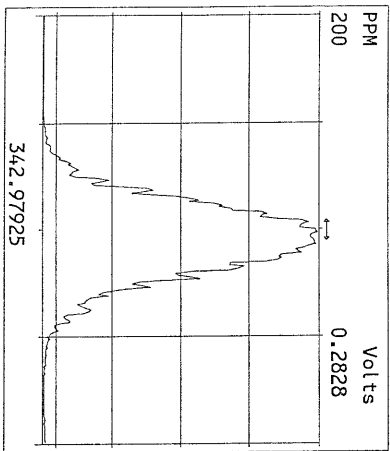
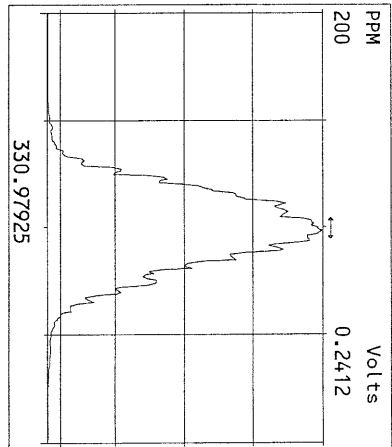
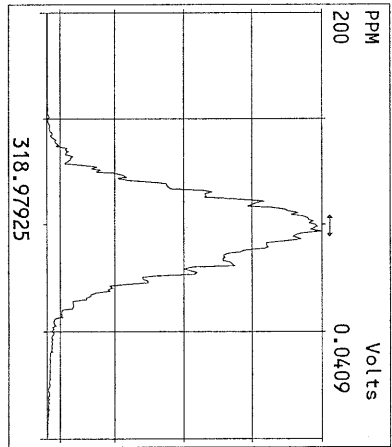
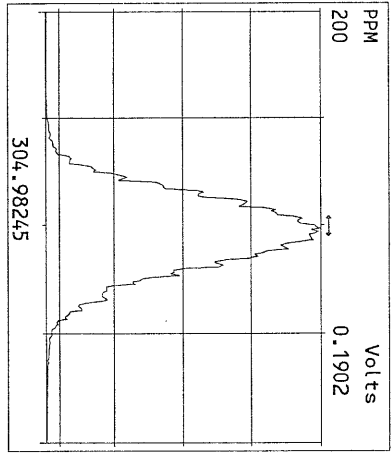
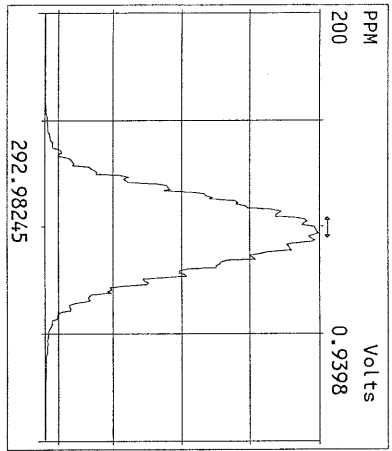
Data File S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
07MAR11M 1	ST030711M3	1613 CS3 100511J	7-MAR-11 11:58:32	NA	NA	BS
07MAR11M 2	QC030711M1	C14QC	7-MAR-11 12:53:51	NA	NA	BS
07MAR11M 3	ST030711M5	1613 CS5 100511L	7-MAR-11 13:49:10	NA	NA	BS
07MAR11M 4	ST030711M4	1613 CS4 100511K	7-MAR-11 14:44:29	NA	NA	BS
07MAR11M 5	ST030711M2	1613 CS2 100511I	7-MAR-11 15:39:48	NA	NA	BS
07MAR11M 6	ST030711M1	1613 CS1 100511H	7-MAR-11 16:35:10	NA	NA	BS
07MAR11M 7	ST030711M0	1613 CS0 100511G	7-MAR-11 17:30:33	NA	NA	BS
07MAR11M 8	ST030711M-1	1613 CS-1 100511M	7-MAR-11 18:25:48	NA	NA	BS
07MAR11M 9	ST030711M6	1613 CS3 100511J	7-MAR-11 19:21:07	ST030711M6	ST030711M7	BS
07MAR11M 10	2227-001-0001-OPR	OPR	7-MAR-11 20:16:26	ST030711M6	ST030711M7	BS
07MAR11M 11	2227-001-0001-MB	Method Blank	7-MAR-11 21:11:46	ST030711M6	ST030711M7	BS
07MAR11M 12	6594-001-0001-SA	PA-24-110210	7-MAR-11 22:07:04	ST030711M6	ST030711M7	BS
07MAR11M 13	6594-002-0001-SA	MW-55-110210	7-MAR-11 23:02:22	ST030711M6	ST030711M7	BS
07MAR11M 14	6594-003-0001-SA	MW-62-110210	7-MAR-11 23:57:37	ST030711M6	ST030711M7	BS
07MAR11M 15	6594-004-0001-SA	MW-54-110210	8-MAR-11 00:52:57	ST030711M6	ST030711M7	BS
07MAR11M 16	6594-005-0001-SA	PA-17-110211	8-MAR-11 01:48:18	ST030711M6	ST030711M7	BS
07MAR11M 17	6594-006-0001-SA	MW-53-110211	8-MAR-11 02:43:37	ST030711M6	ST030711M7	BS
07MAR11M 18	6594-007-0001-SA	MW-58-110211	8-MAR-11 03:39:00	ST030711M6	ST030711M7	BS
07MAR11M 19	6594-008-0001-SA	MW-51-110211	8-MAR-11 04:34:19	ST030711M6	ST030711M7	BS
07MAR11M 20	6594-009-0001-SA	MW-61-110211	8-MAR-11 05:29:37	ST030711M6	ST030711M7	BS
07MAR11M 21	SB030711M1	Solvent Blank	8-MAR-11 06:25:00	ST030711M6	ST030711M7	BS
07MAR11M 22	ST030711M7	1613 CS3 100511J	8-MAR-11 07:20:23	ST030711M6	ST030711M7	BS

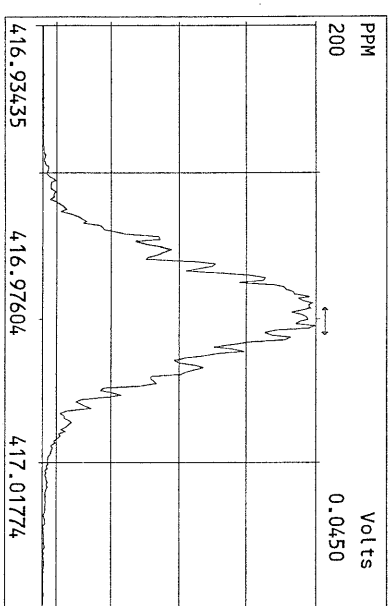
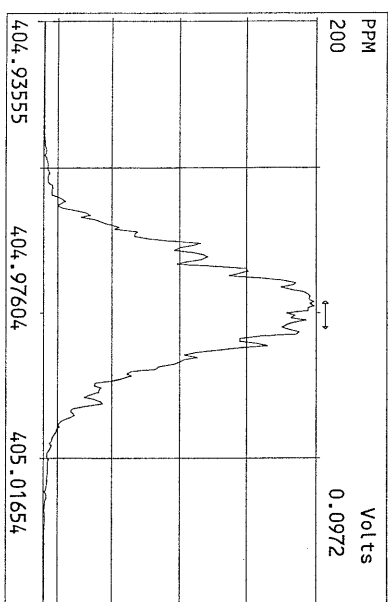
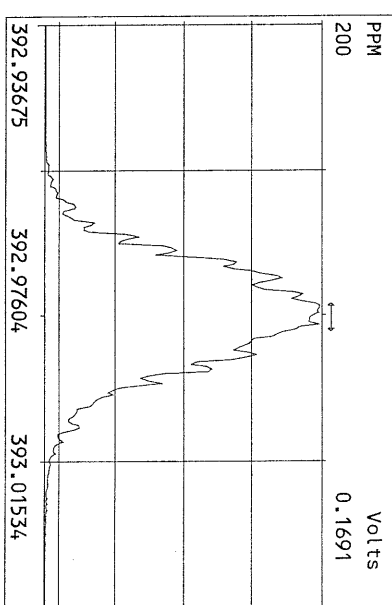
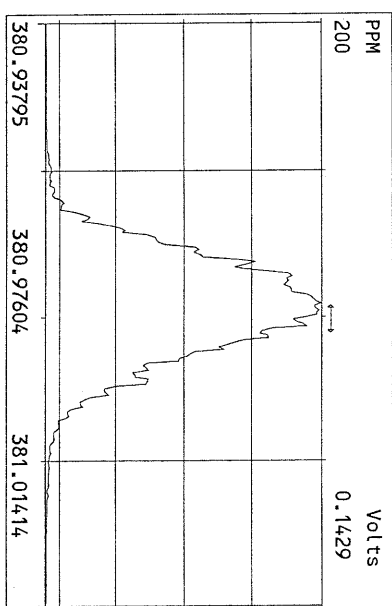
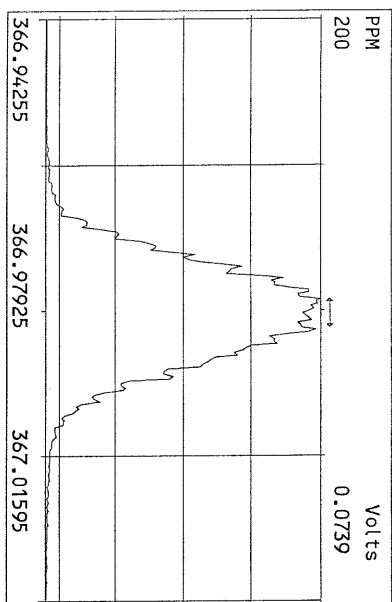
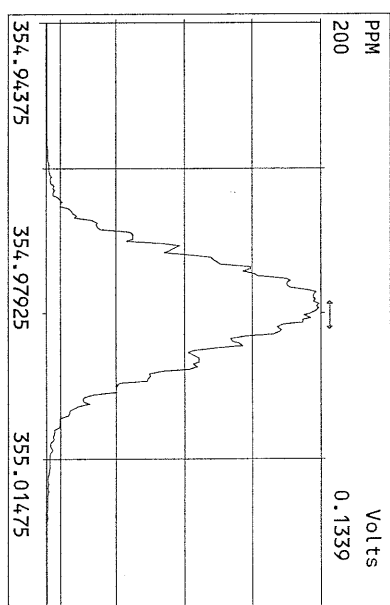
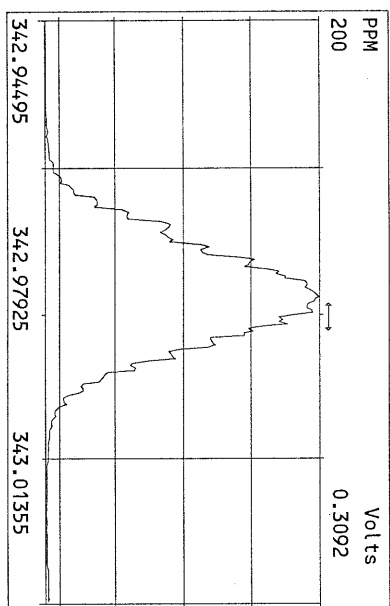
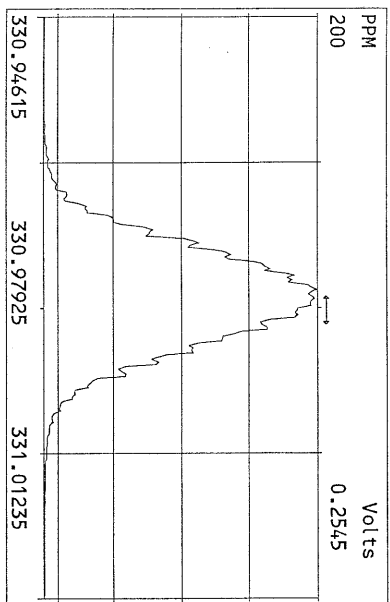
6/3/8/11

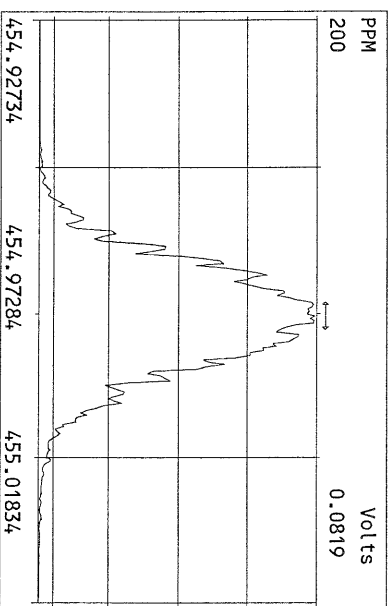
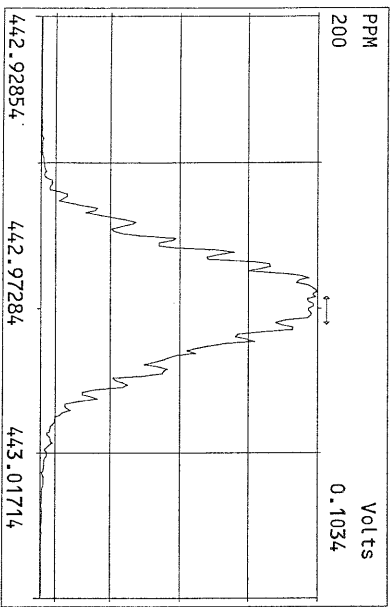
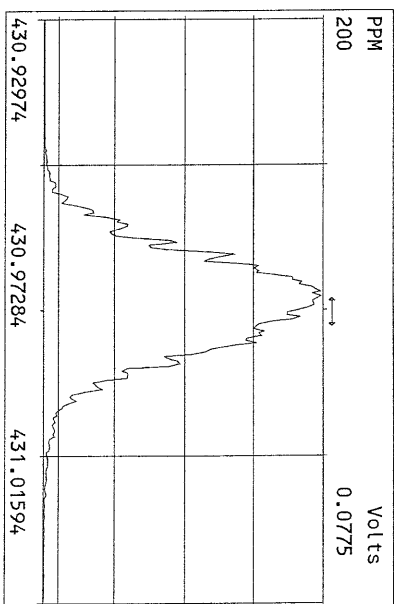
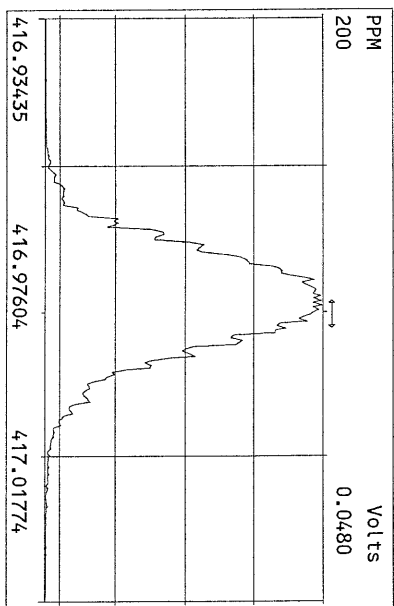
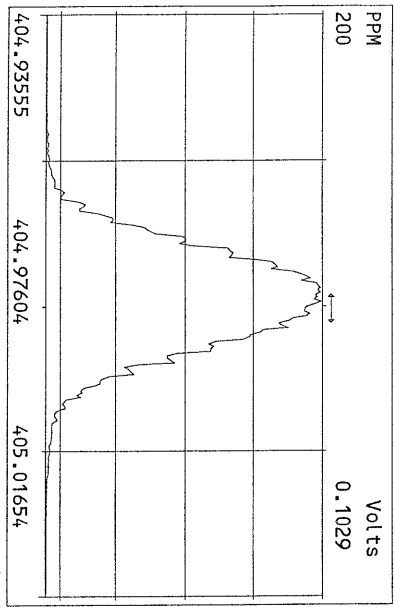
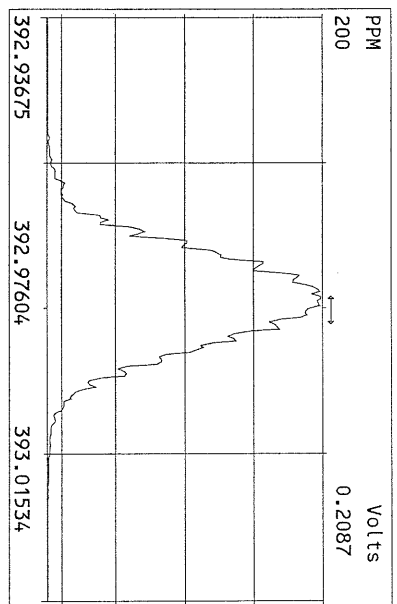
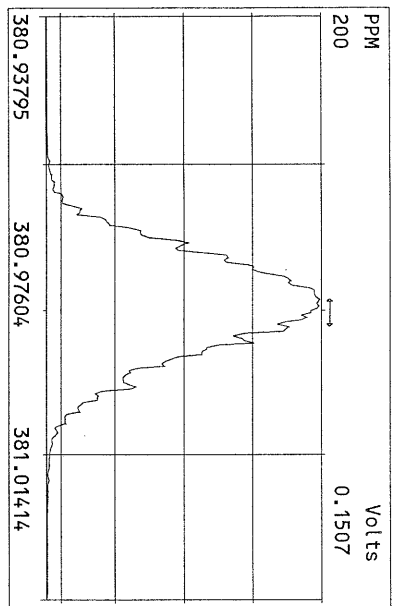
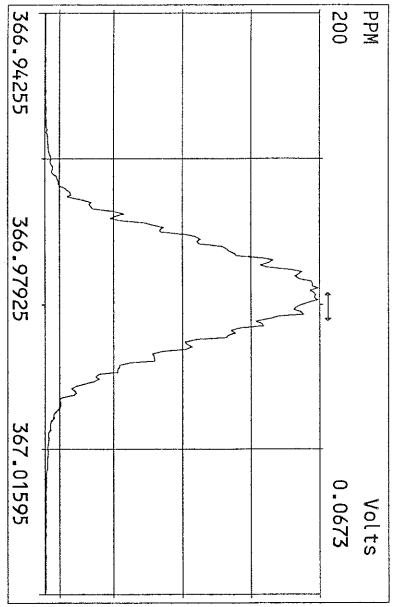
Data Backed Up: \_\_\_\_\_

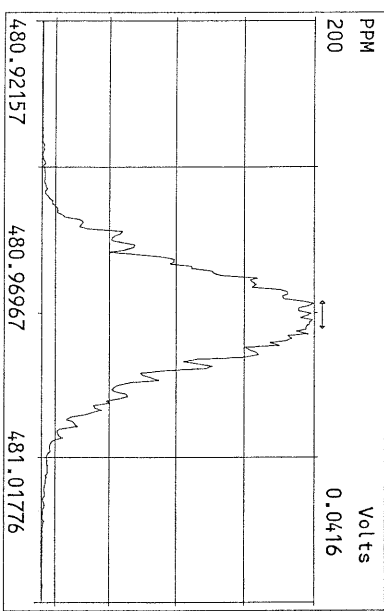
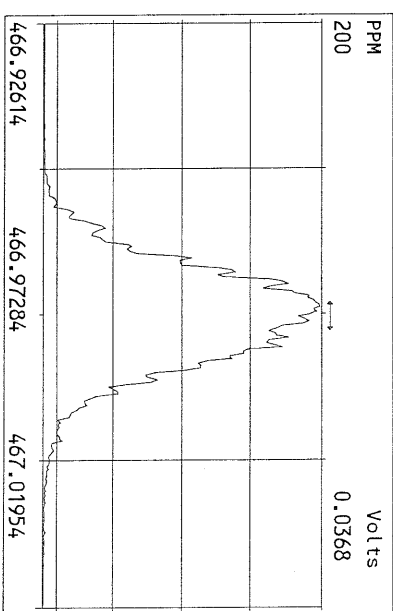
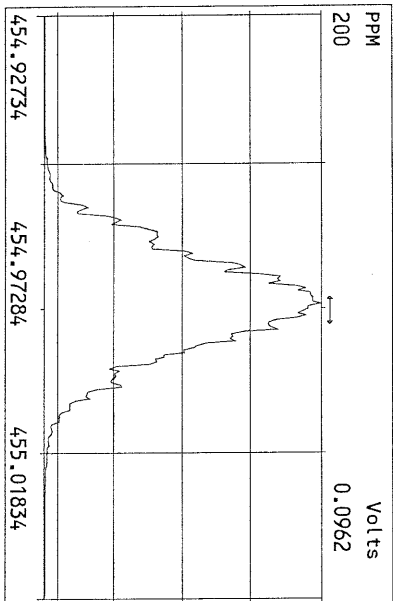
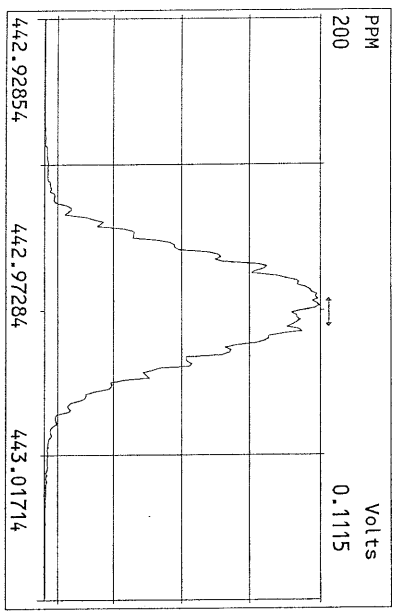
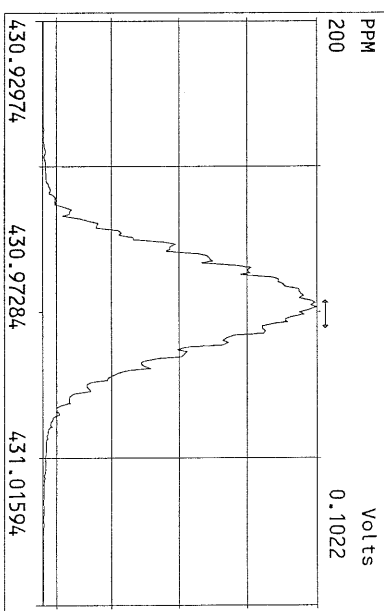
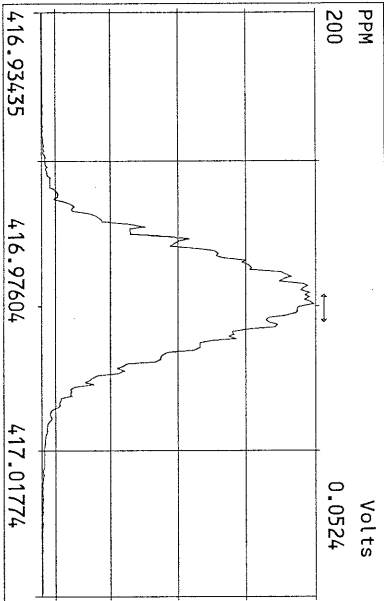
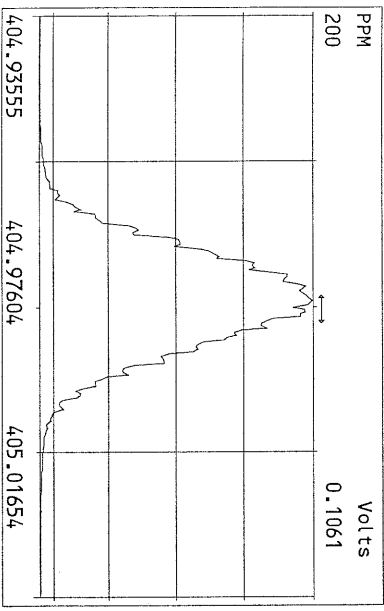
Date: \_\_\_\_\_

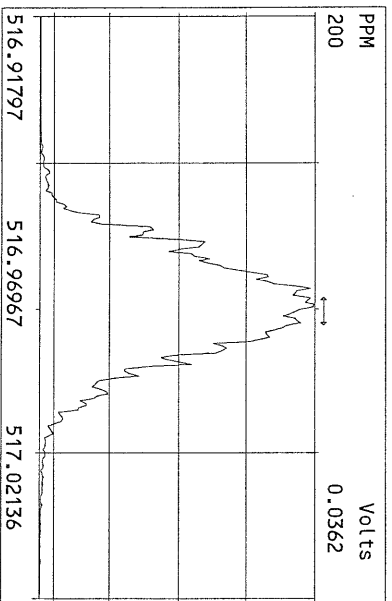
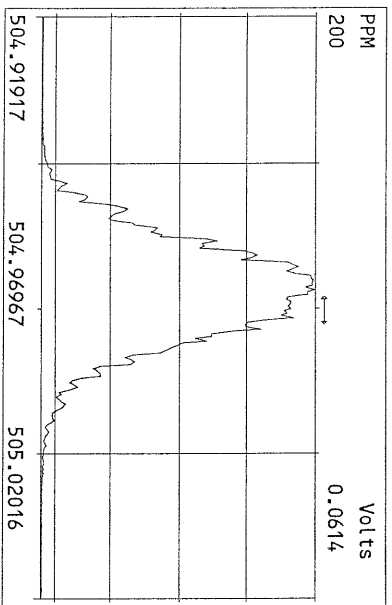
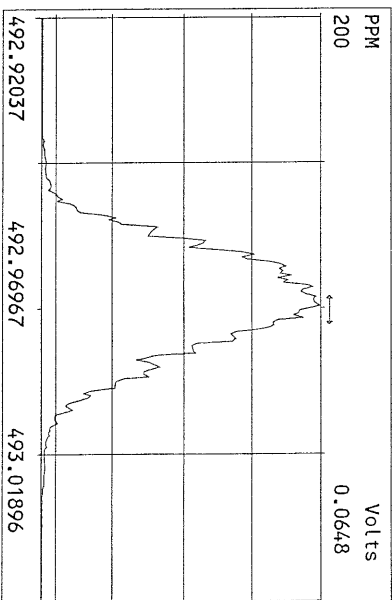
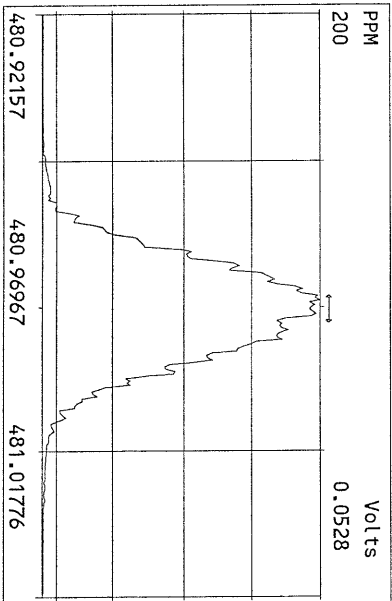
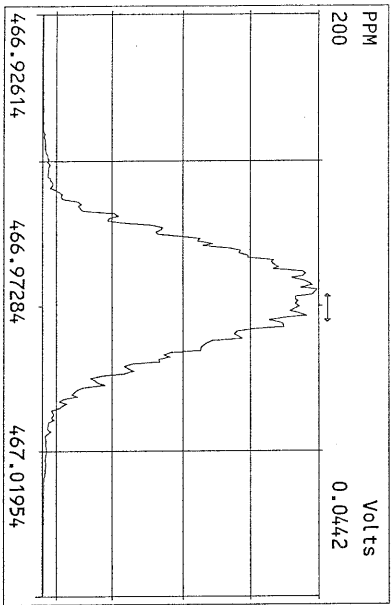
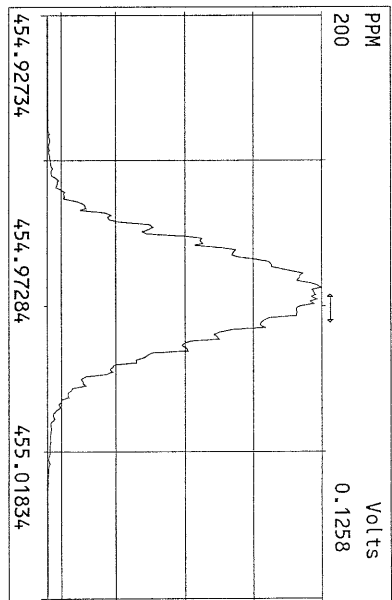
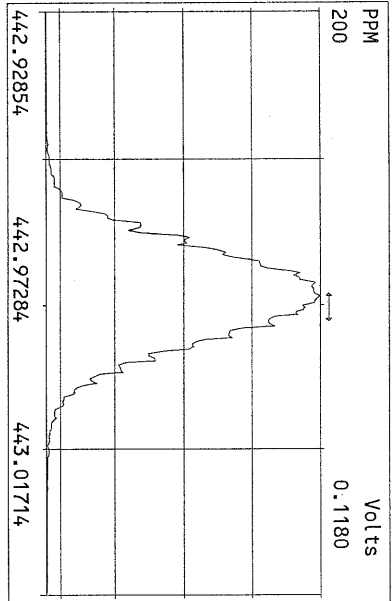
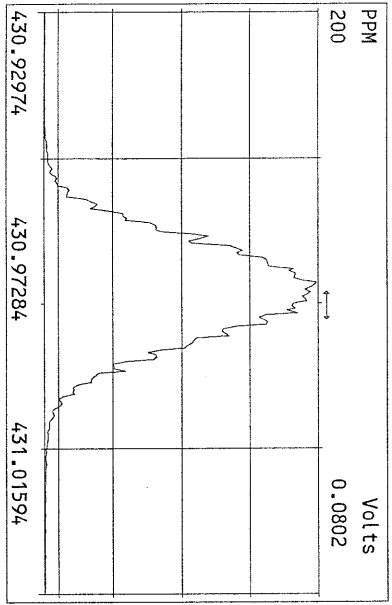




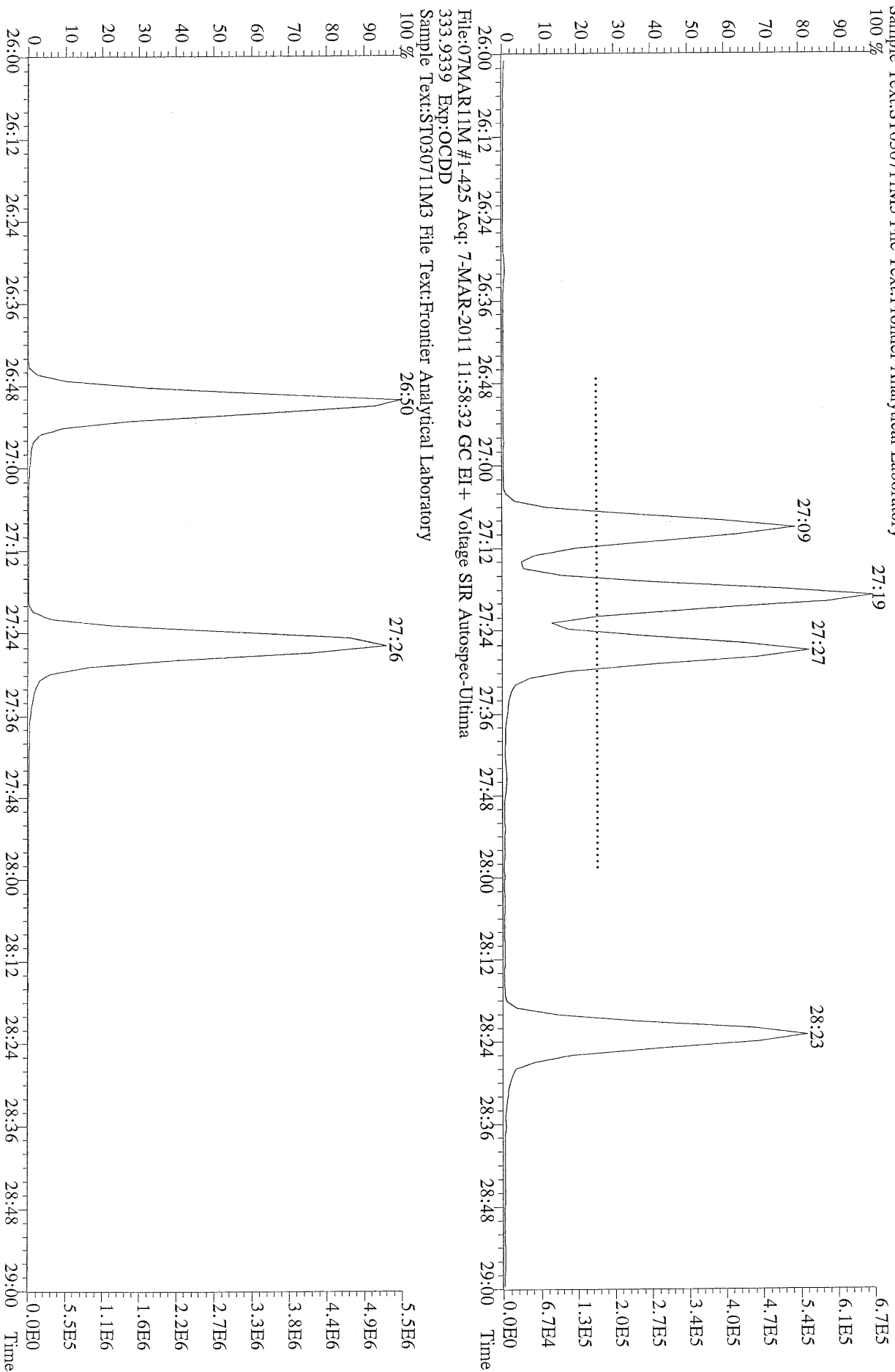








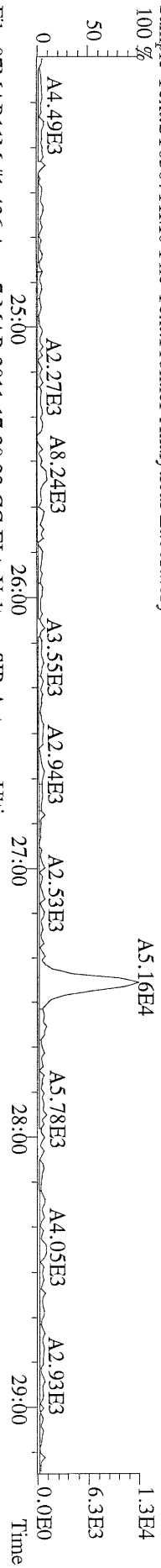
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
321.8936 Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



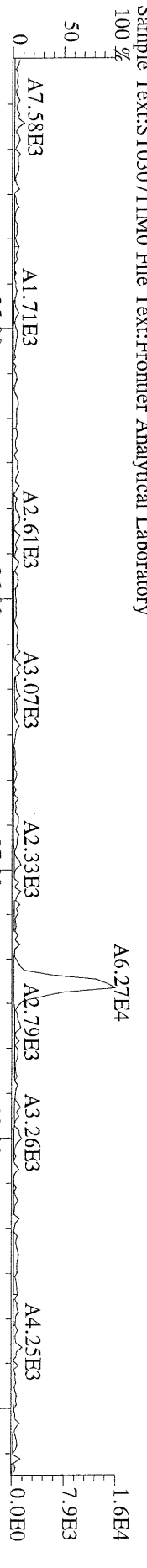
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI + Voltage SIR Autospec-Ultima  
319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



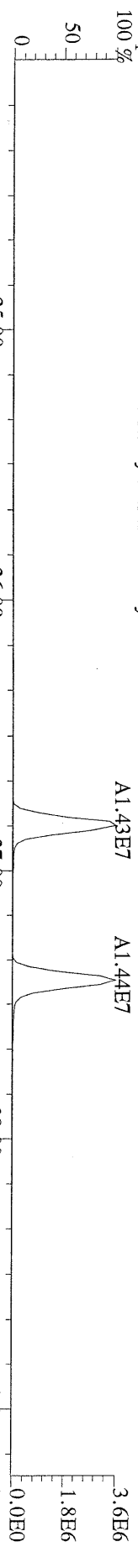
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI + Voltage SIR Autospec-Ultima  
321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



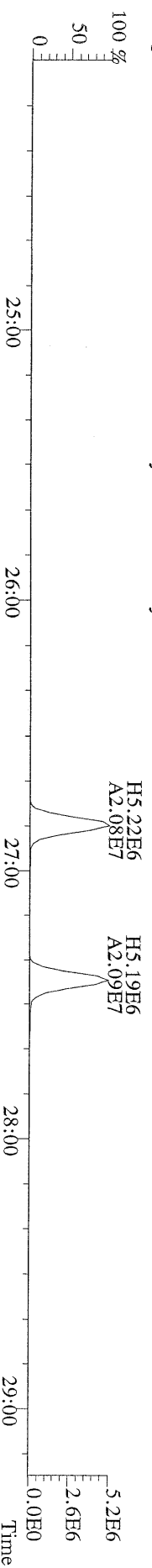
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI + Voltage SIR Autospec-Ultima  
327.8847 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



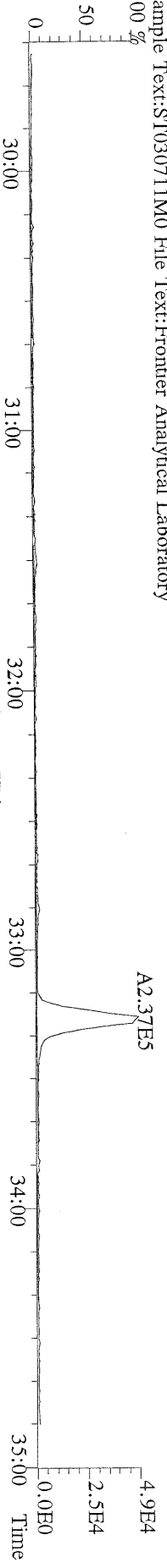
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI + Voltage SIR Autospec-Ultima  
331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



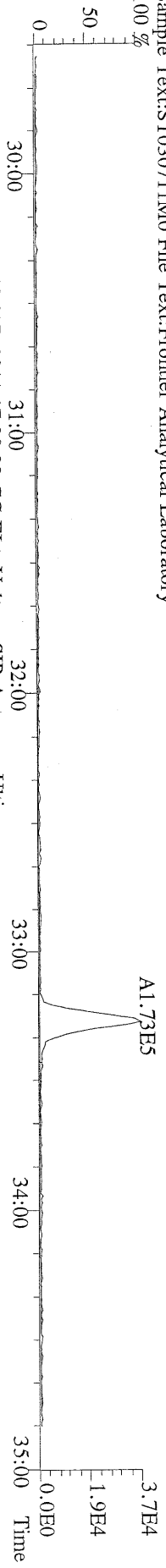
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI + Voltage SIR Autospec-Ultima  
333.9339 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



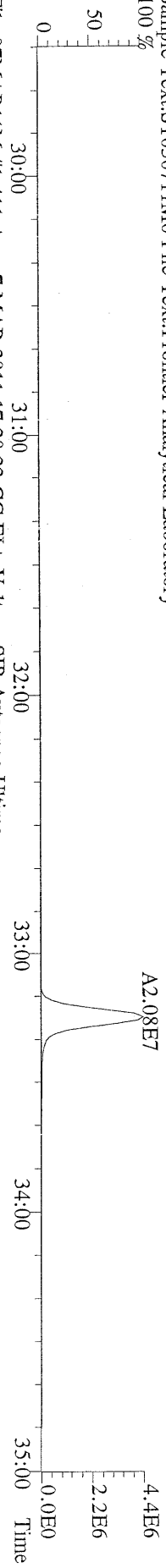
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



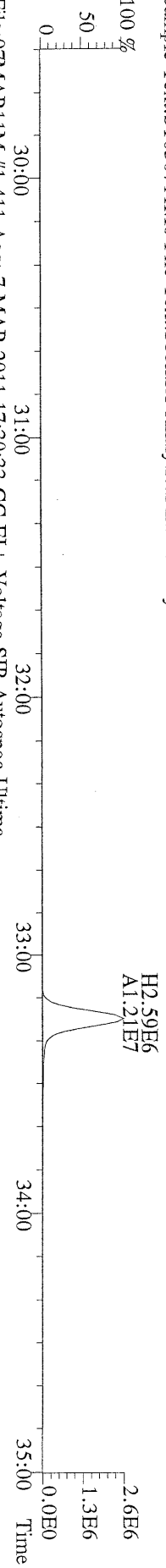
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
357.8517 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



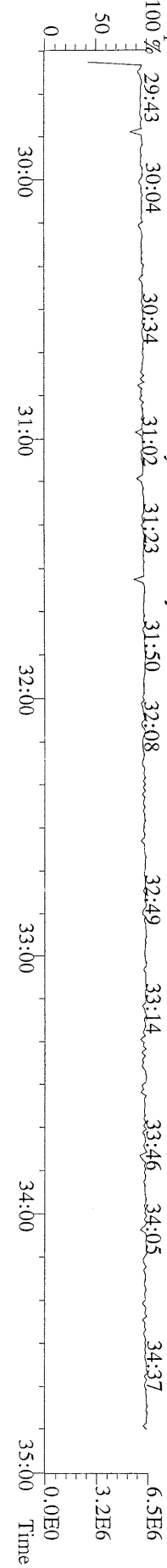
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
369.8919 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory

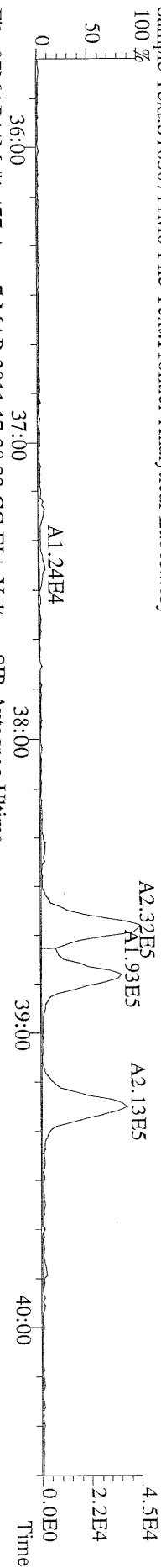


File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 S:7 F:2 Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory

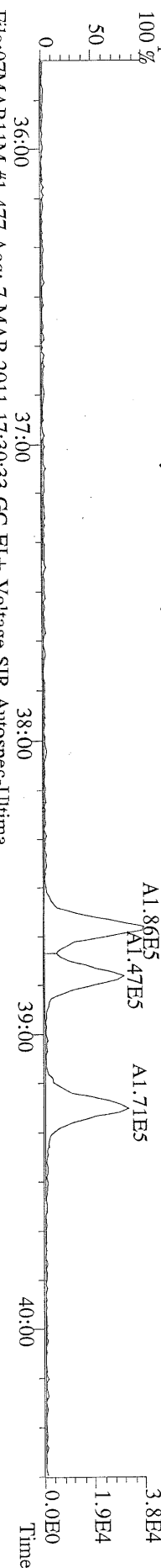




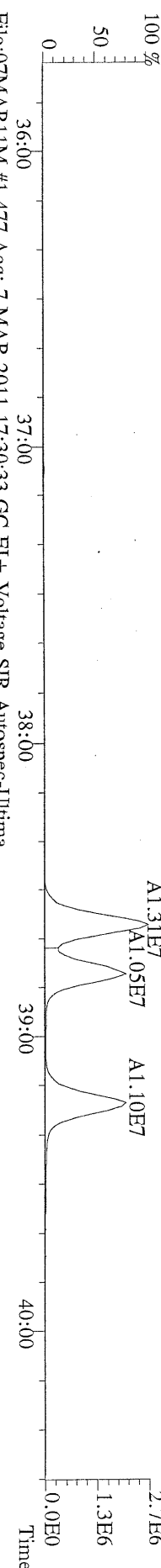
File:07MAR11M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:7 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



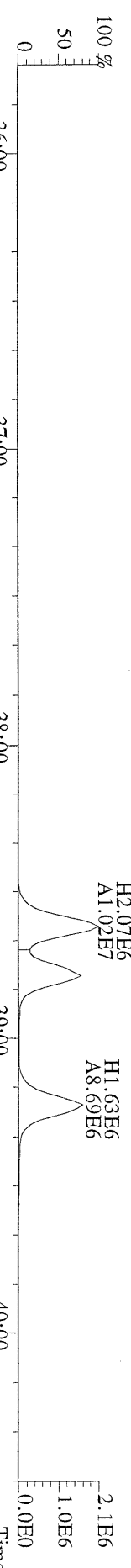
File:07MAR11M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
391.8127 S:7 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



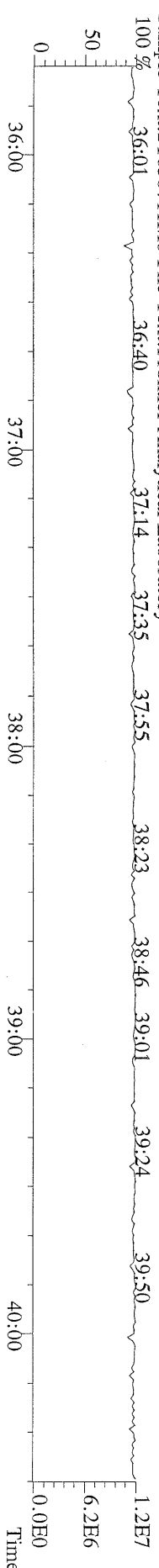
File:07MAR11M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
401.8559 S:7 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



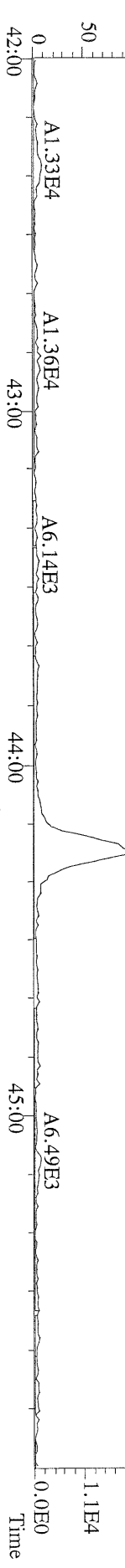
File:07MAR11M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:7 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:7 F:3 Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



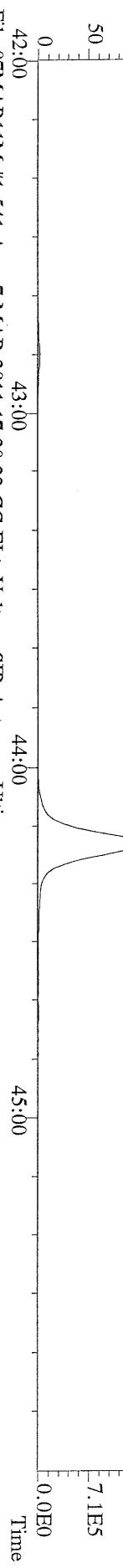
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



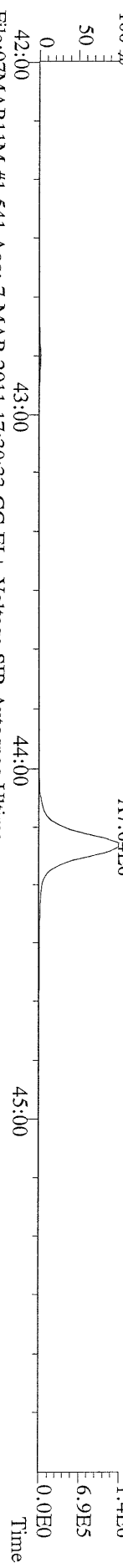
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



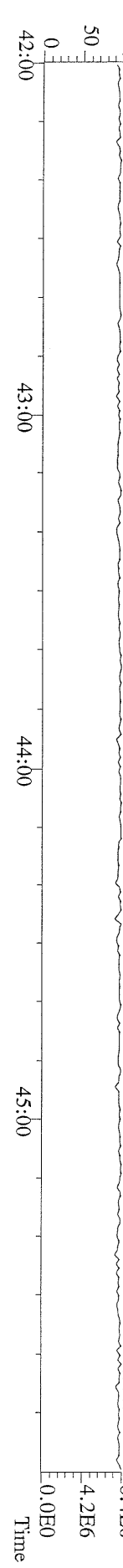
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



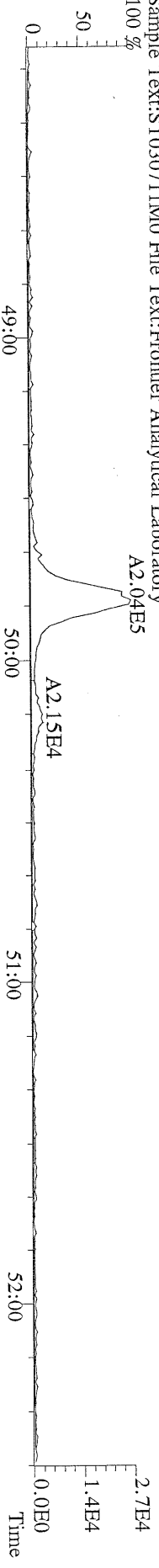
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



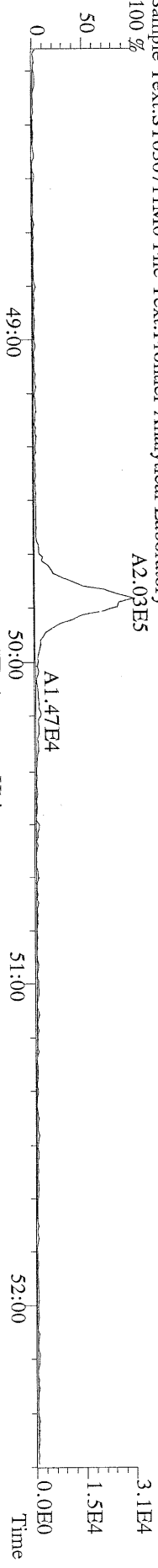
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:7 F:4 Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



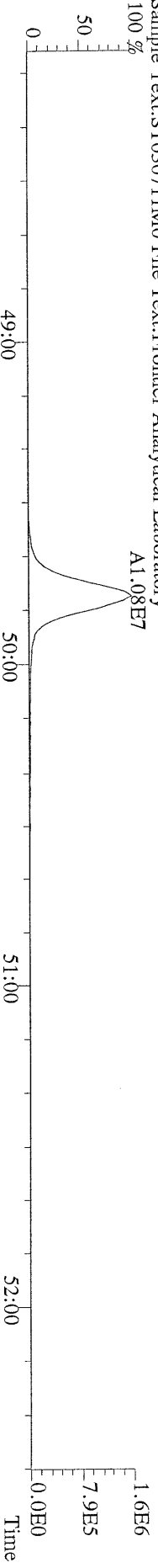
File:07MARI1M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



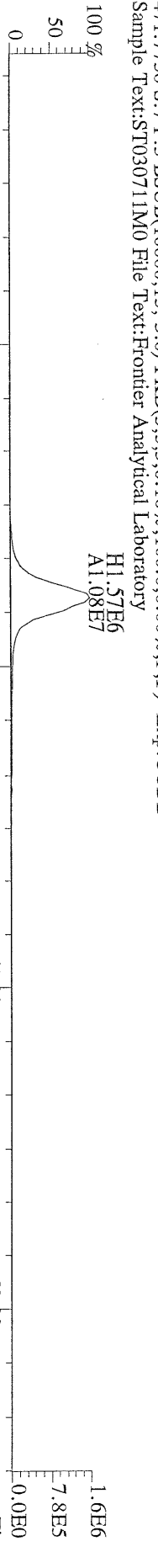
File:07MARI1M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



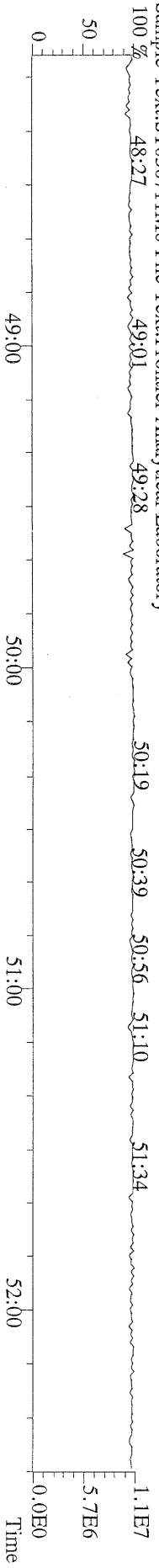
File:07MARI1M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



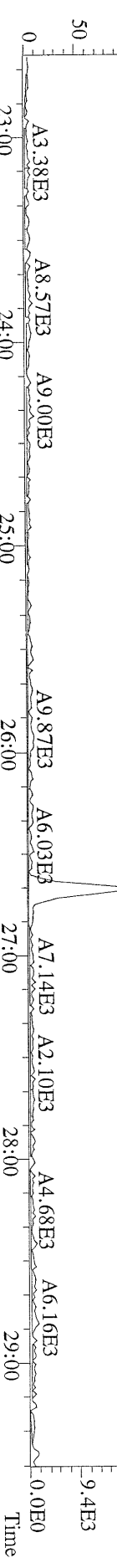
File:07MARI1M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



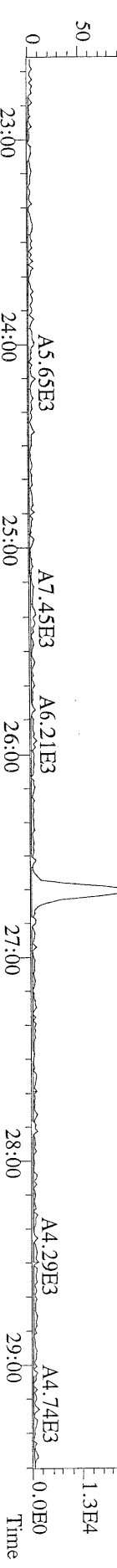
File:07MARI1M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:7 F:5 Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



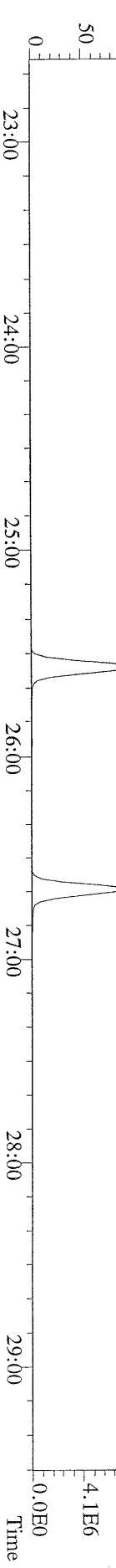
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:7 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



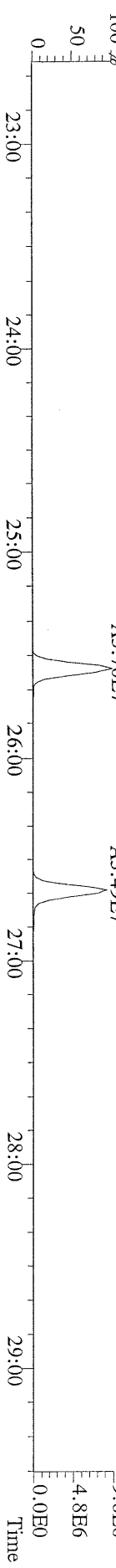
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:7 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



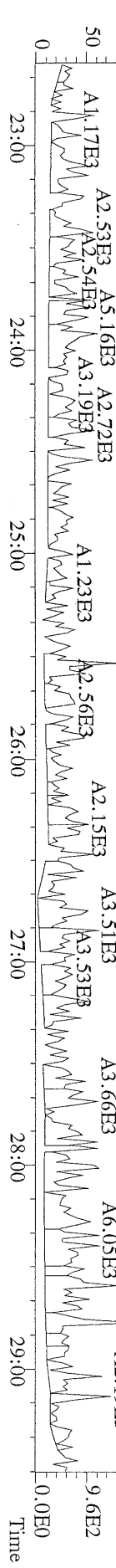
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:7 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



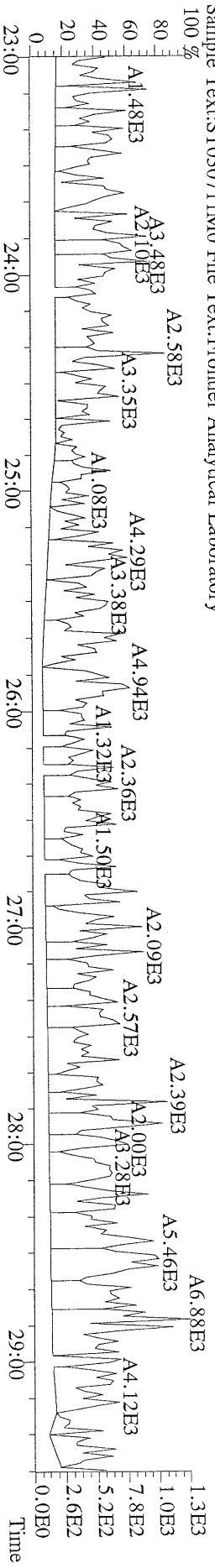
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 317.9389 S:7 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



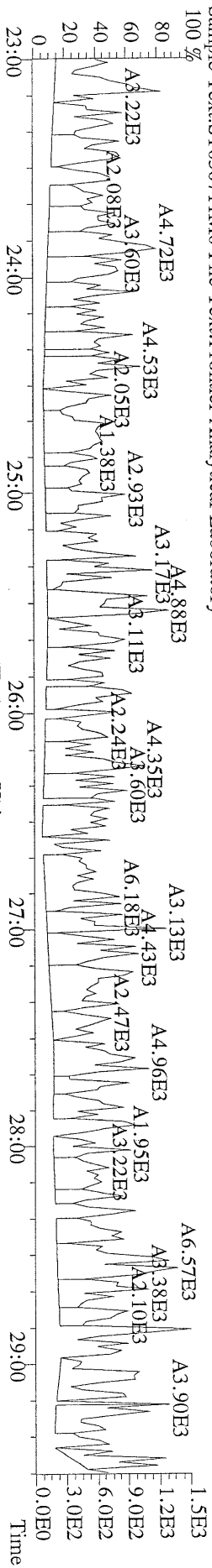
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:7 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



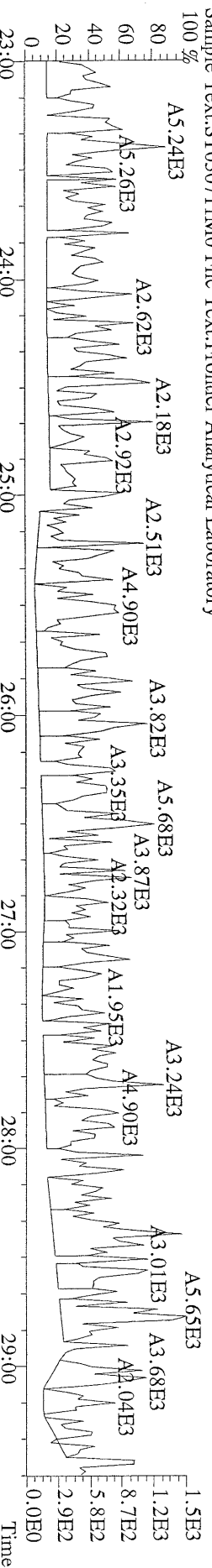
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 339.8568 S:7 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



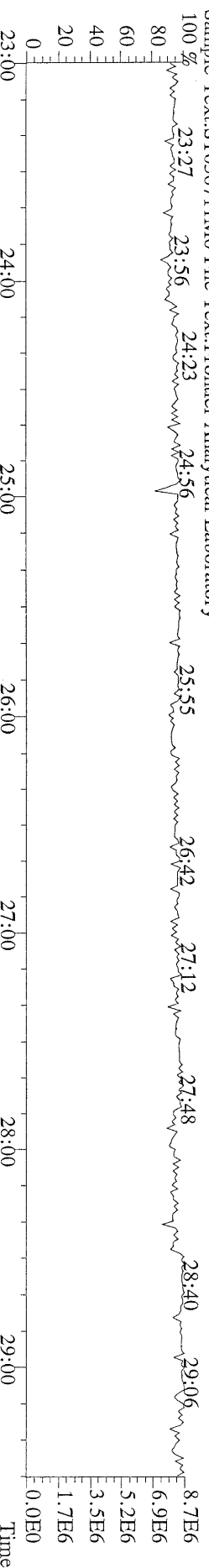
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:7 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



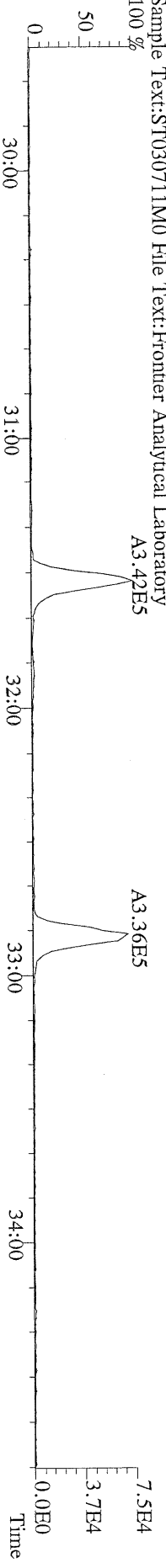
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:7 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



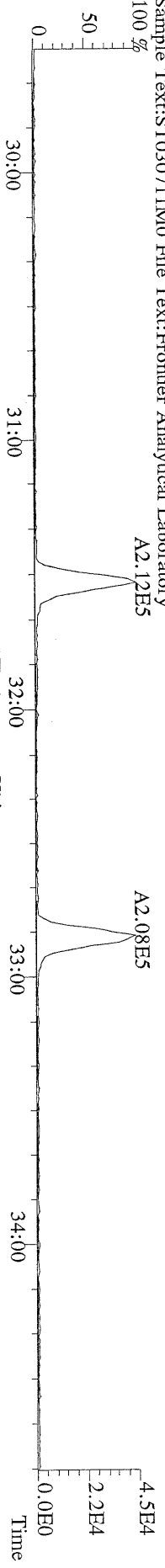
File:07MAR11M #1-426 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 316.9824 S:7 Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



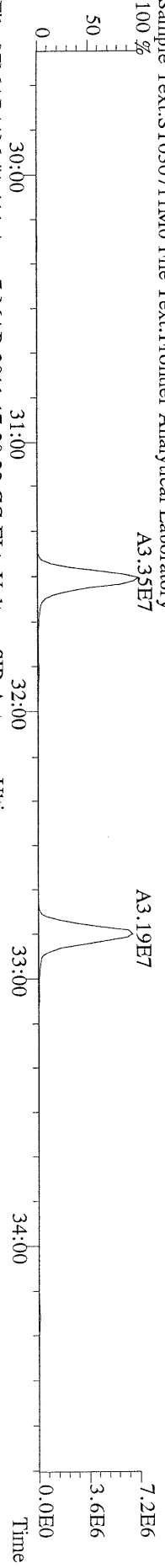
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



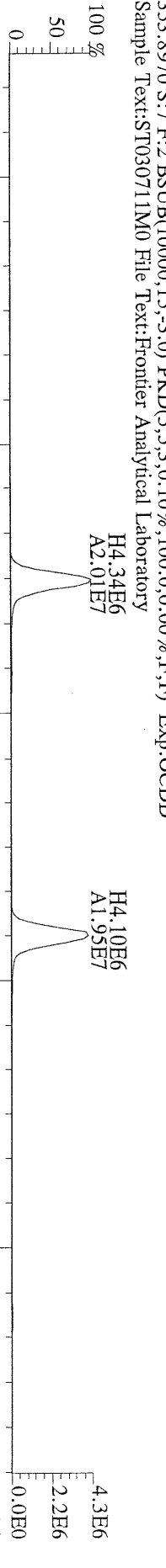
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



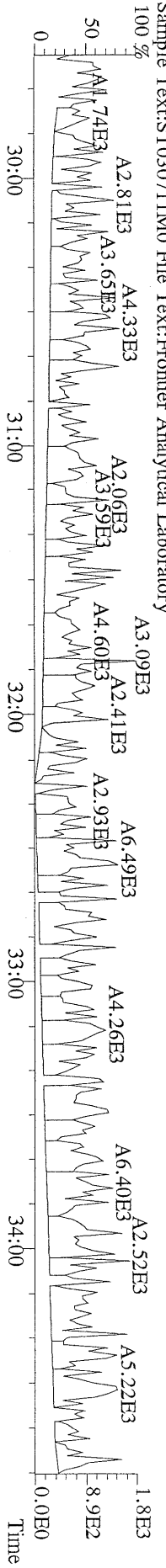
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



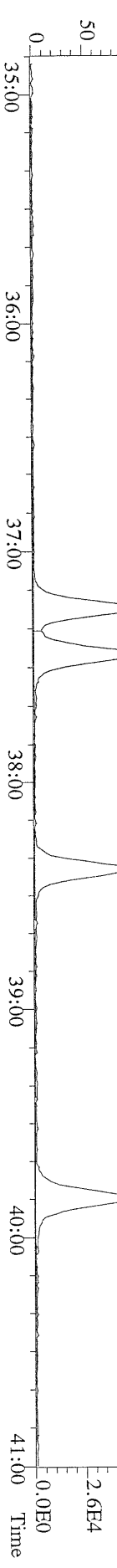
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 353.8970 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



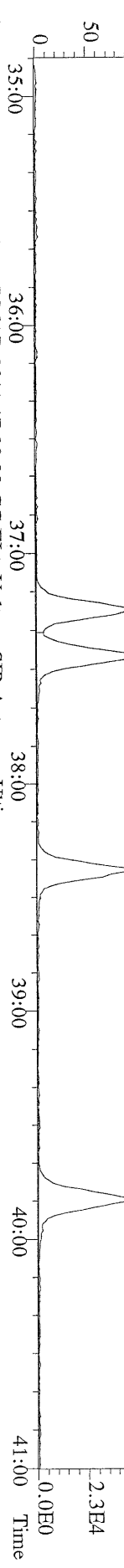
File:07MAR11M #1-411 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



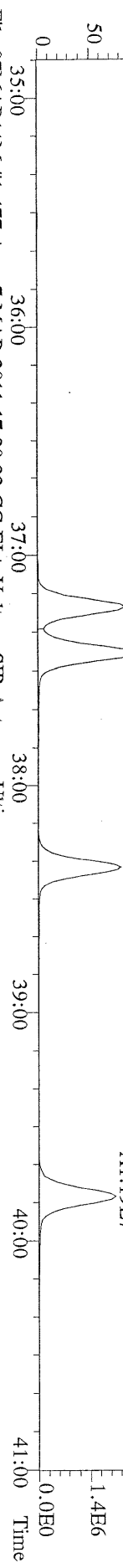
File:07MARI1M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
373.8207 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



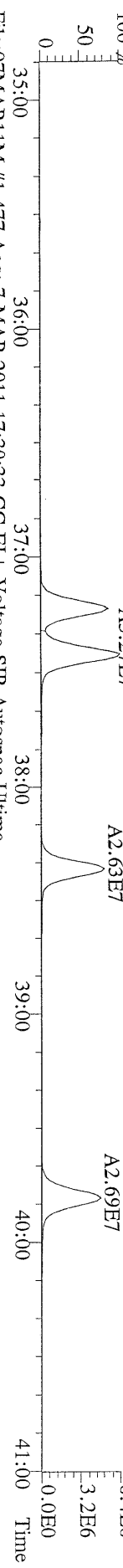
File:07MARI1M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
375.8178 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



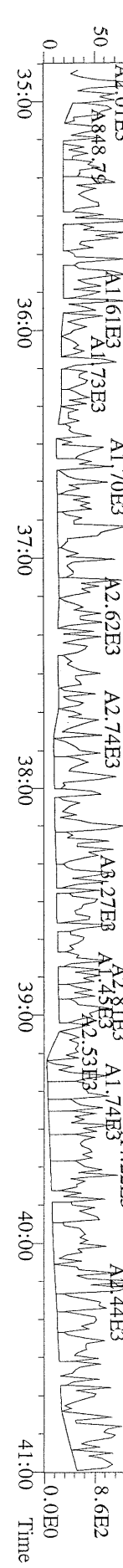
File:07MARI1M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



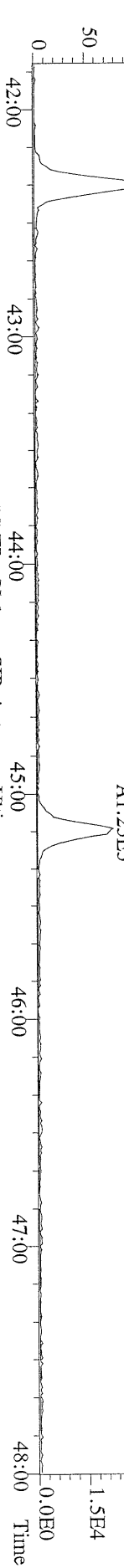
File:07MARI1M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
385.8610 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



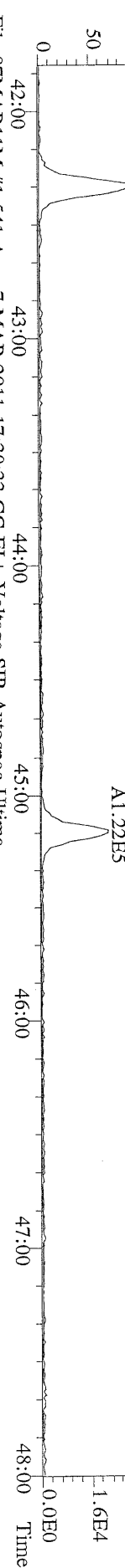
File:07MARI1M #1-477 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
445.7555 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



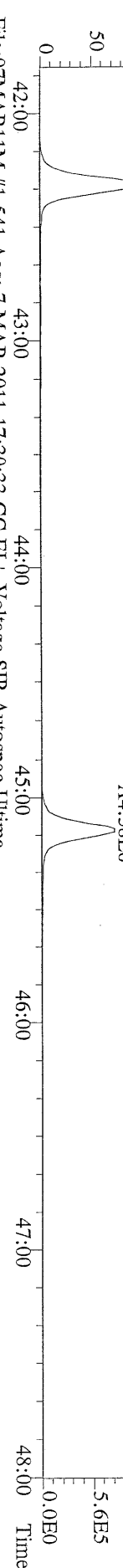
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Utima  
407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



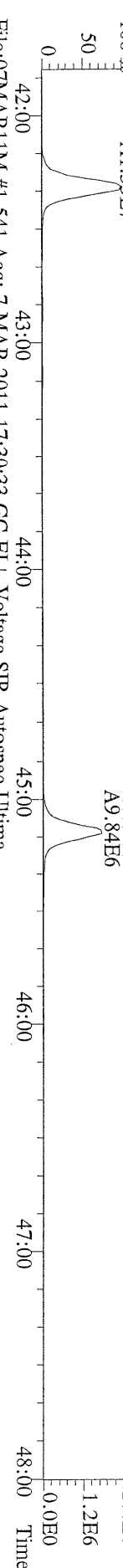
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Utima  
409.7788 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



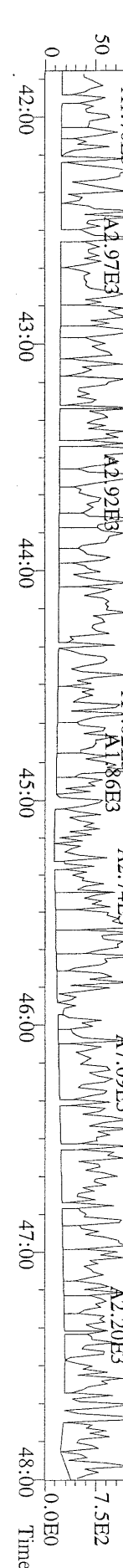
File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Utima  
417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Utima  
419.8220 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory

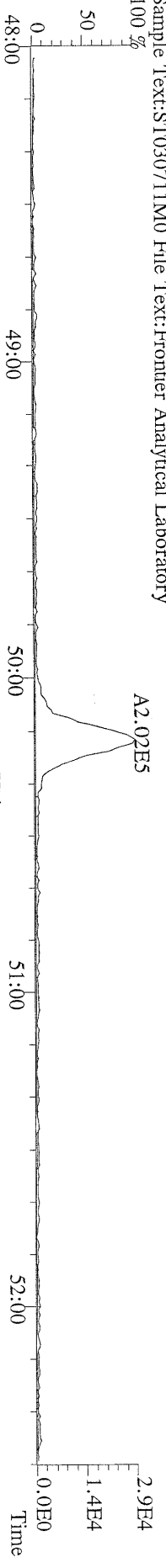


File:07MARI1M #1-541 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Utima  
479.7165 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory

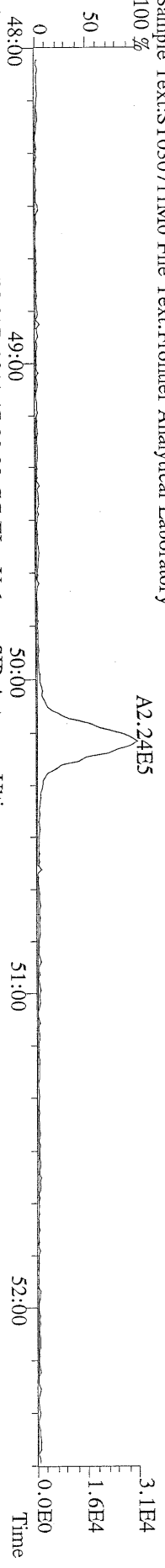




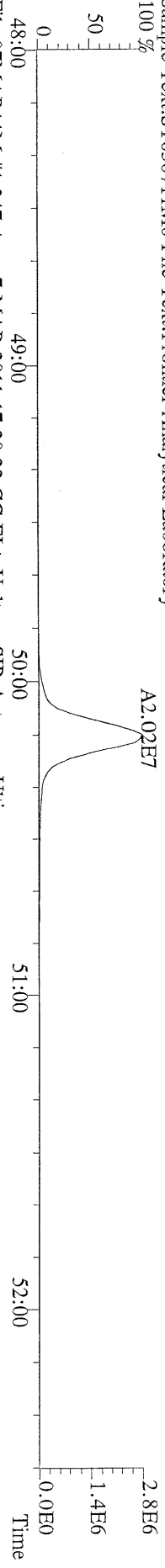
File:07MAR11M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



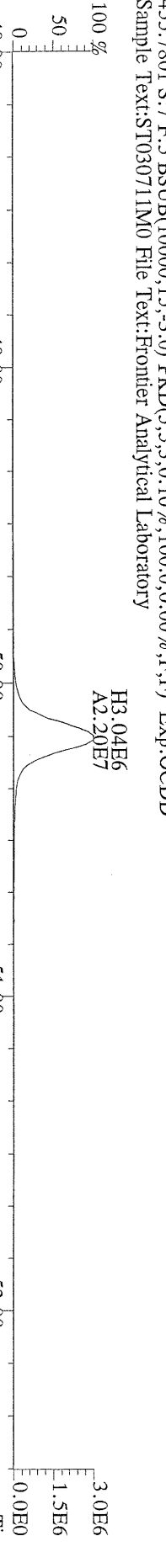
File:07MAR11M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



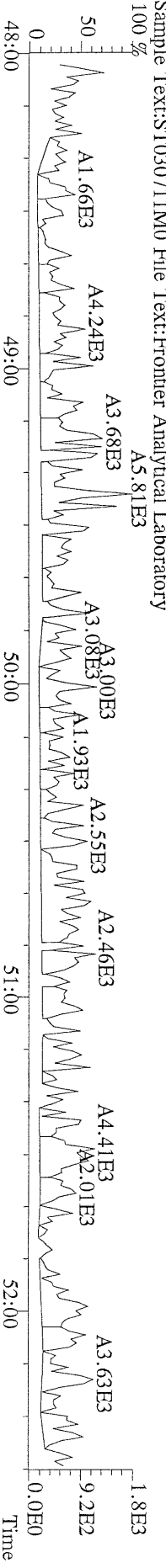
File:07MAR11M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



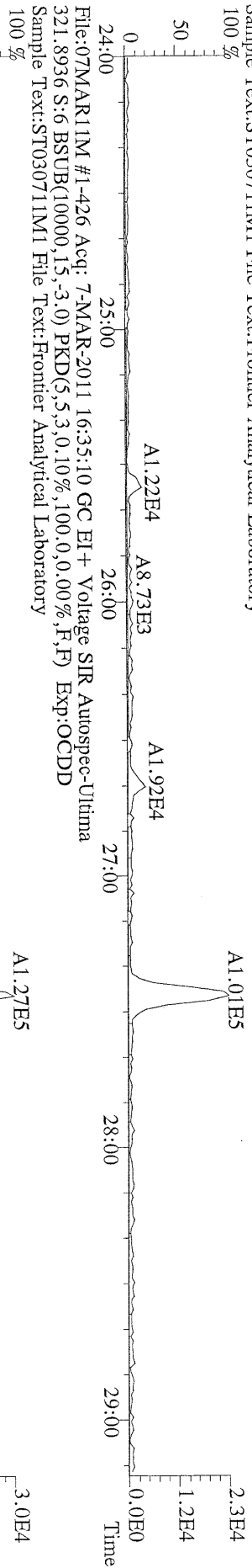
File:07MAR11M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory



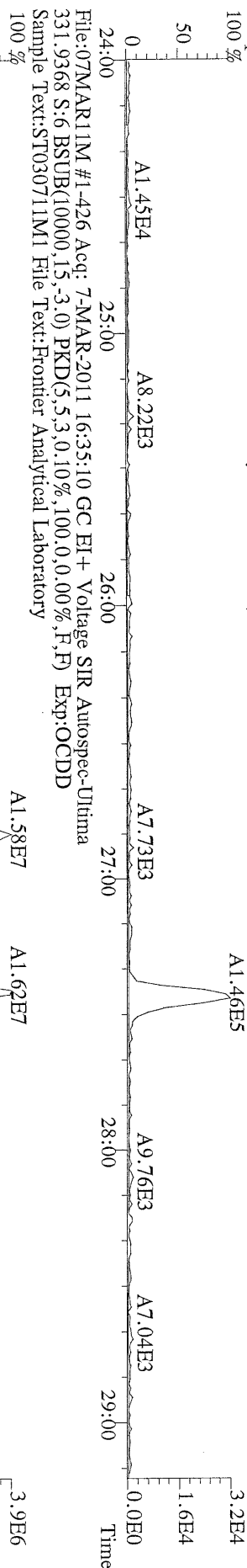
File:07MAR11M #1-347 Acq: 7-MAR-2011 17:30:33 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M0 File Text:Frontier Analytical Laboratory  
100 %



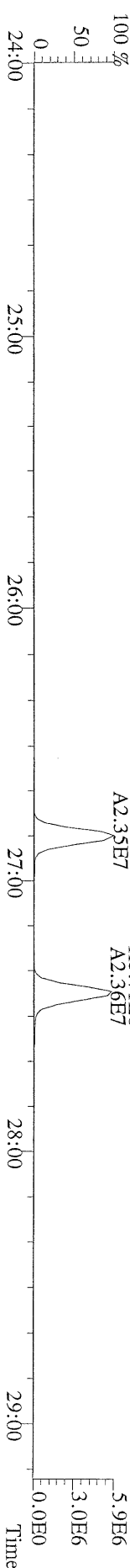
File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



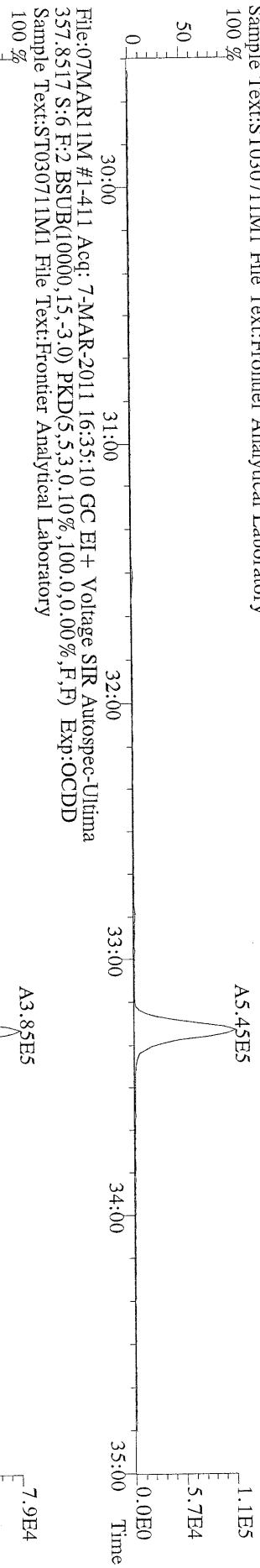
File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



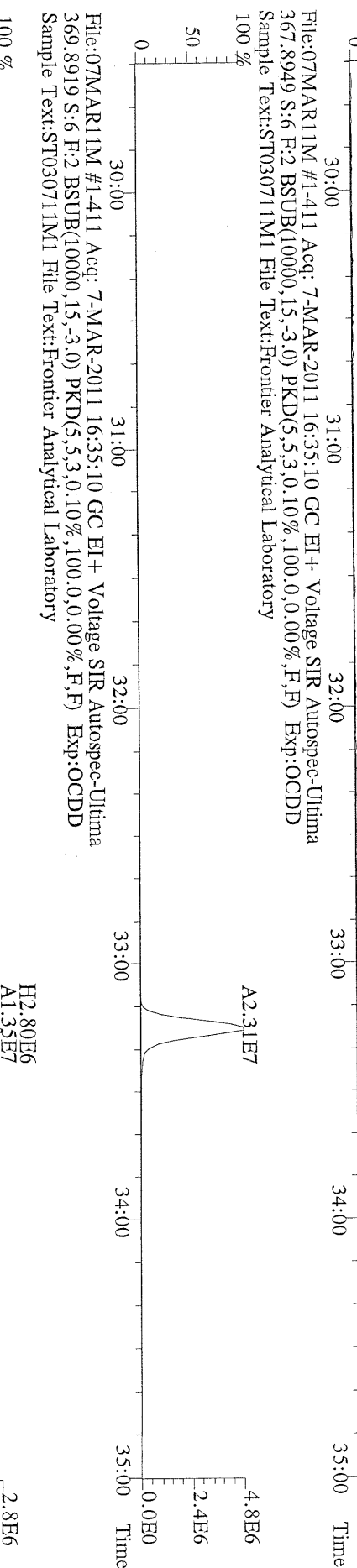
File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



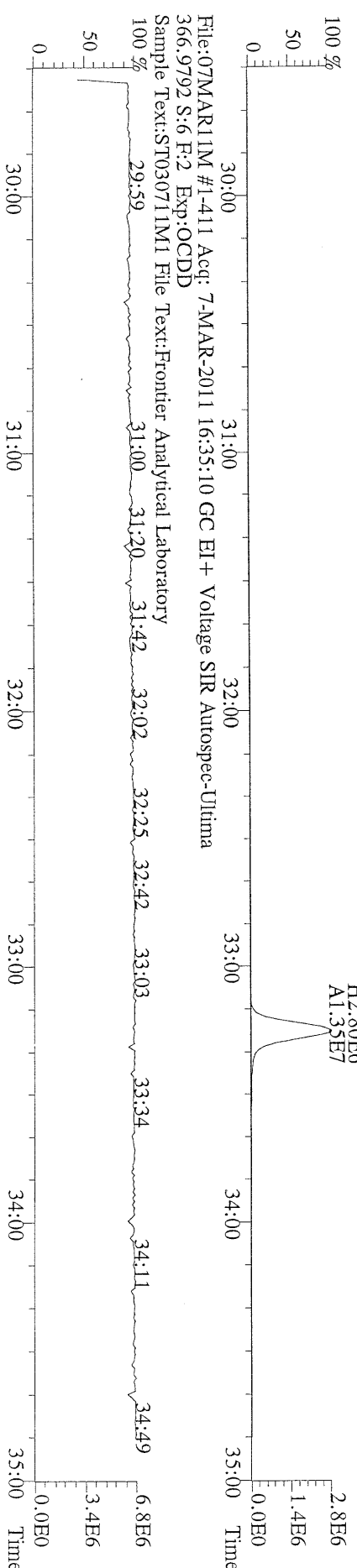
File:07MARI1M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



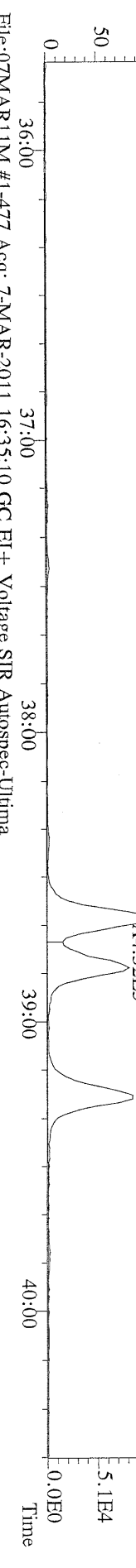
File:07MARI1M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



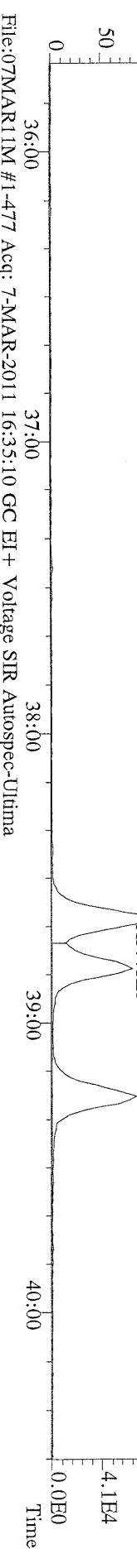
File:07MARI1M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



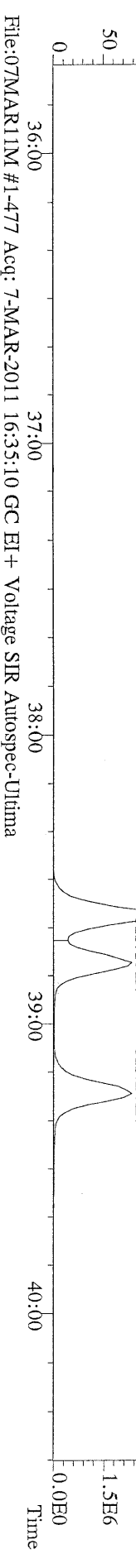
File:07MAR11M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
 389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



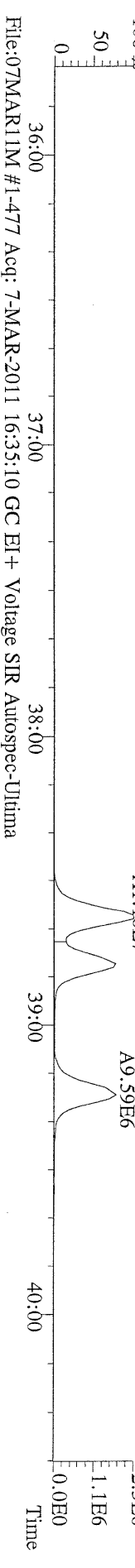
File:07MAR11M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
 391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



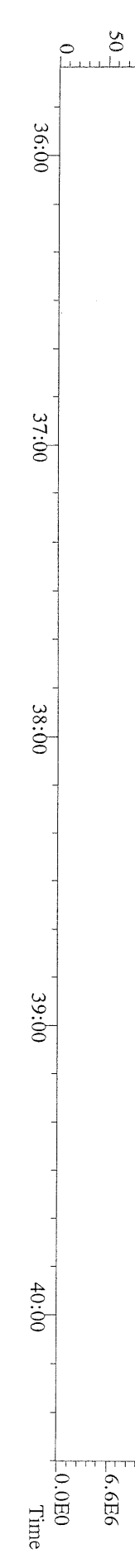
File:07MAR11M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
 401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



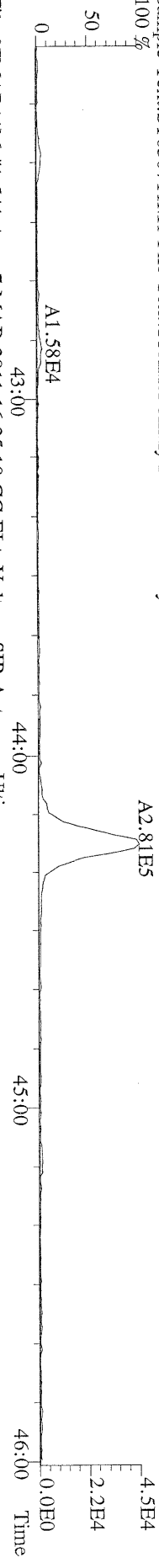
File:07MAR11M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
 403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



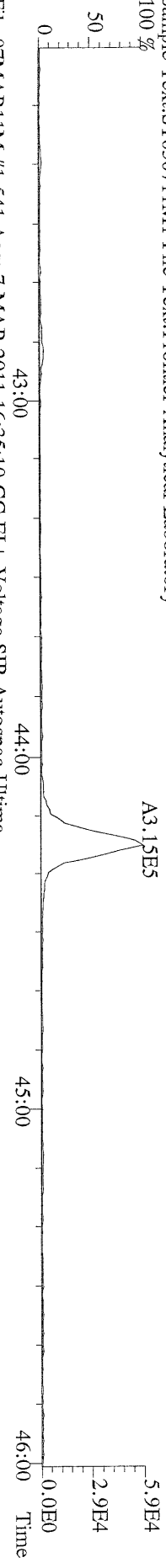
File:07MAR11M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
 380.9760 S:6 F:3 Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



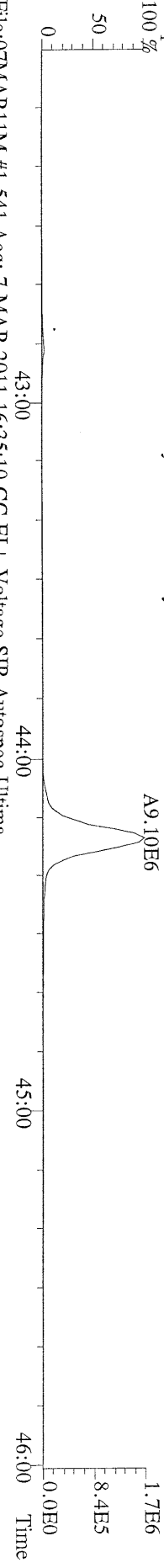
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



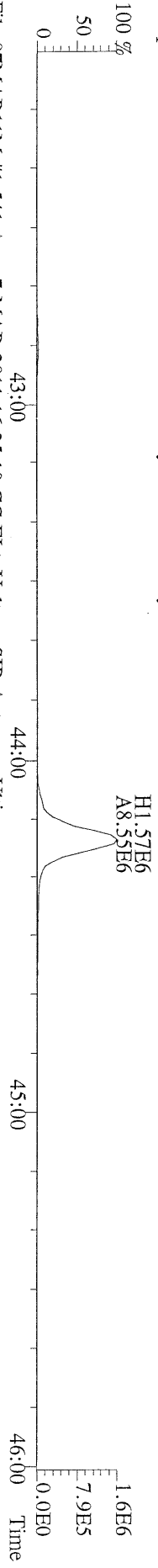
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



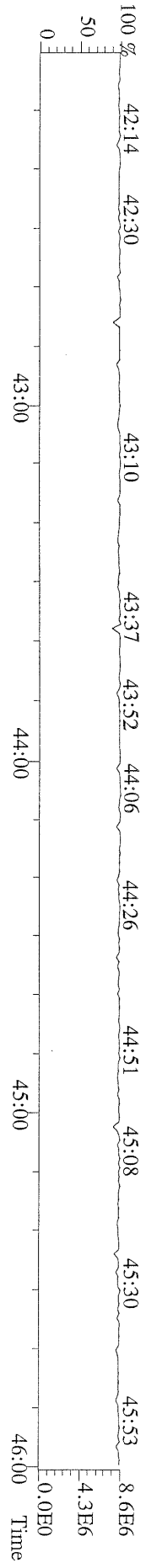
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



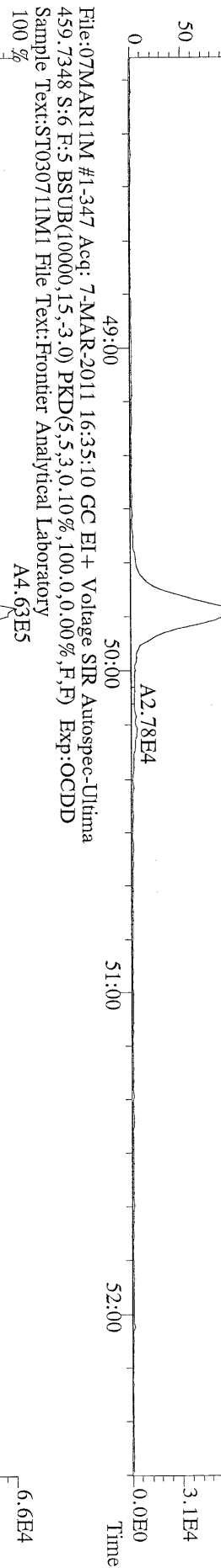
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



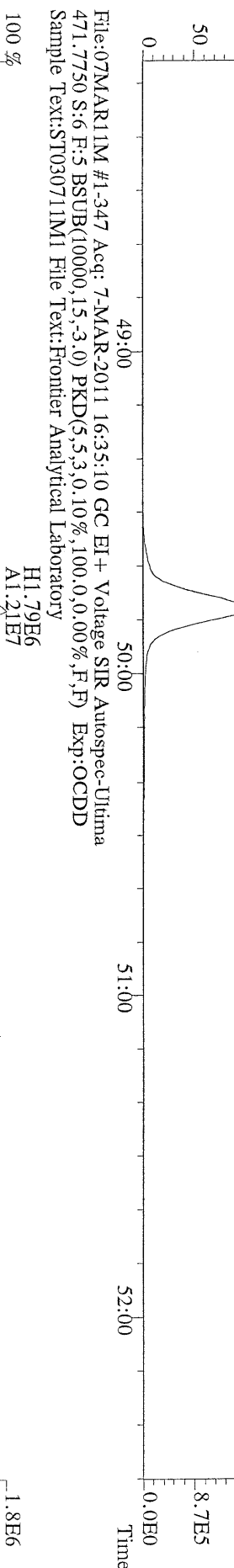
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:6 F:4 Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



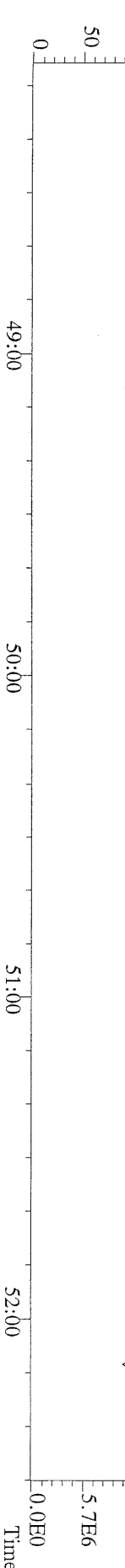
File:07MAR11M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



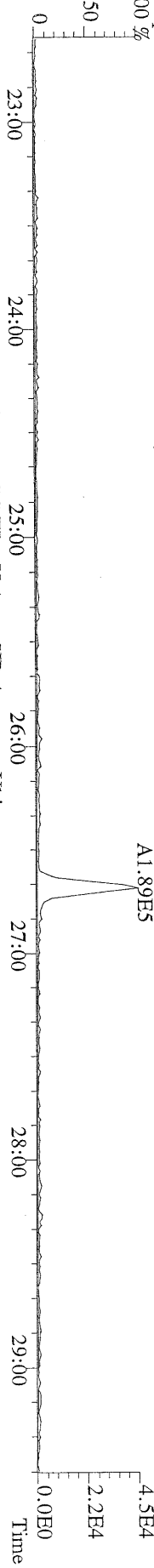
File:07MAR11M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



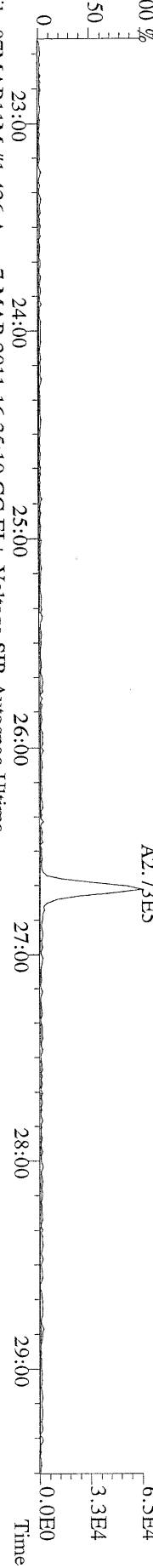
File:07MAR11M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



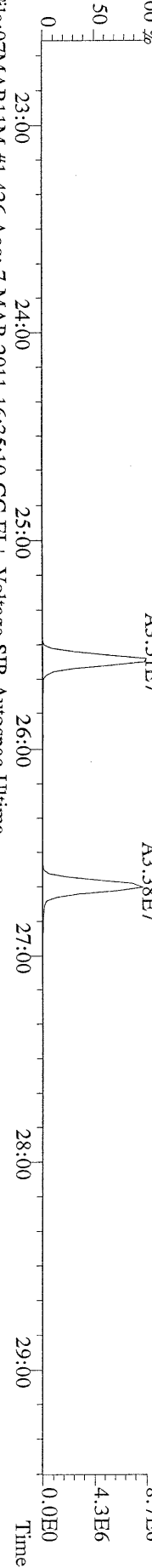
File:07MAR11M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
 100 %



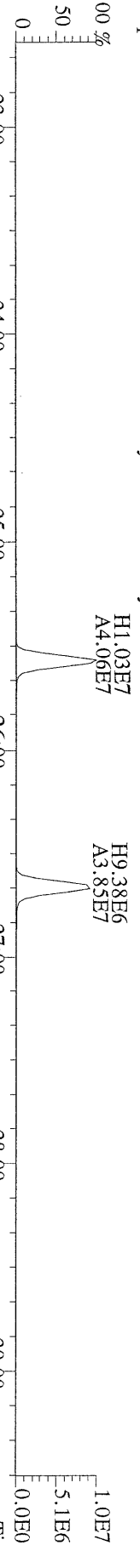
File:07MAR11M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
 100 %



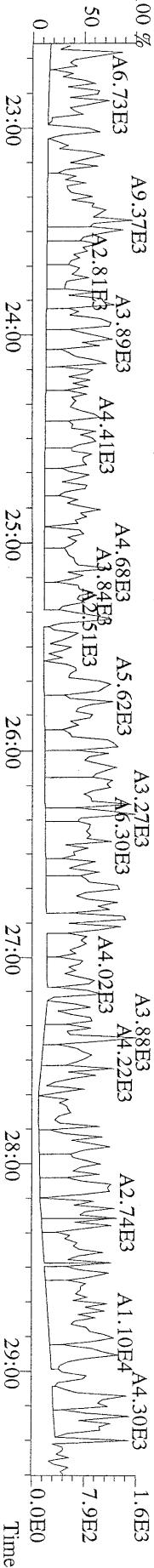
File:07MAR11M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
 100 %



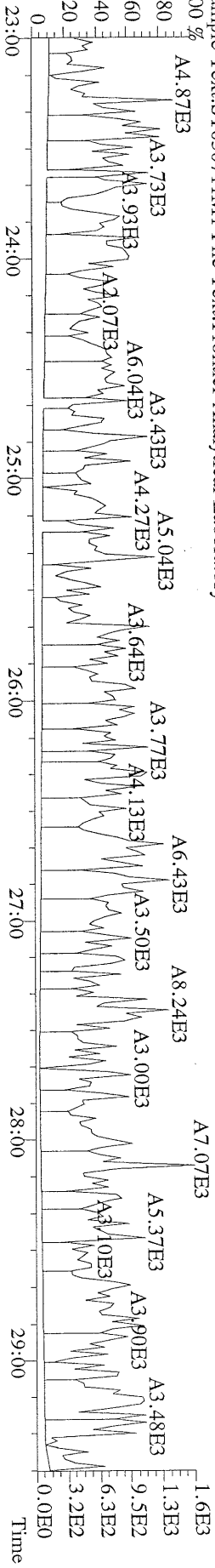
File:07MAR11M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



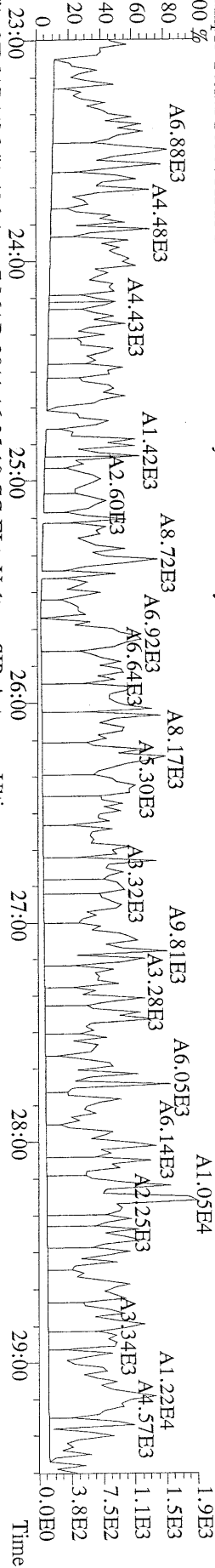
File:07MAR11M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



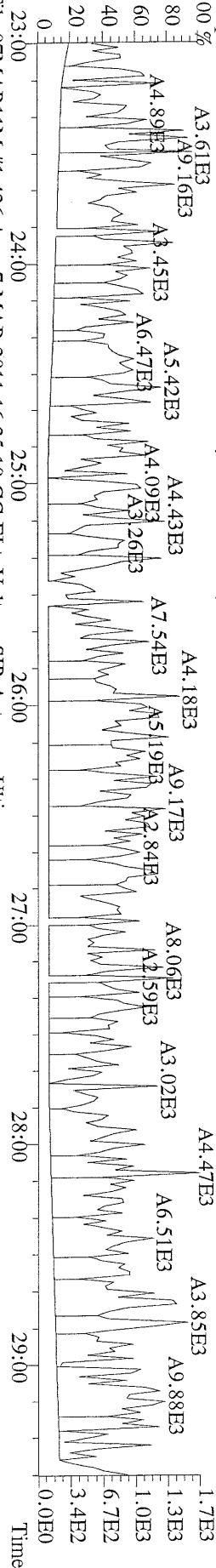
File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



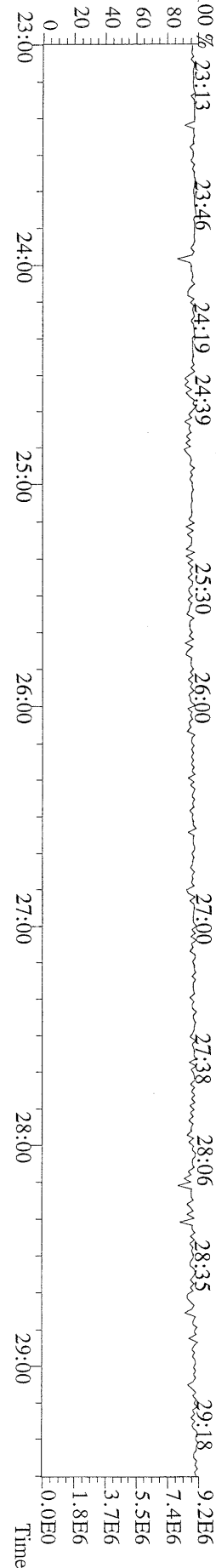
File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory

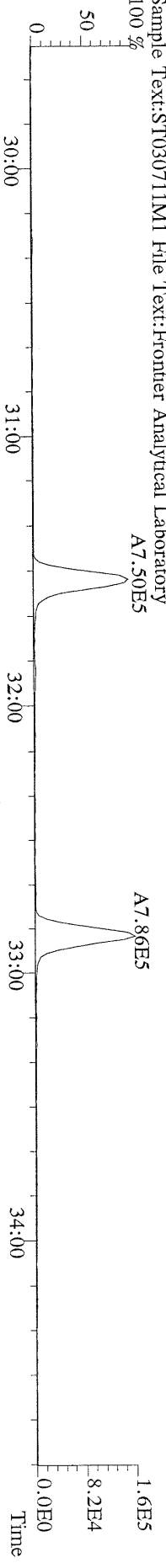


File:07MARI1M #1-426 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 316.9824 S:6 Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory

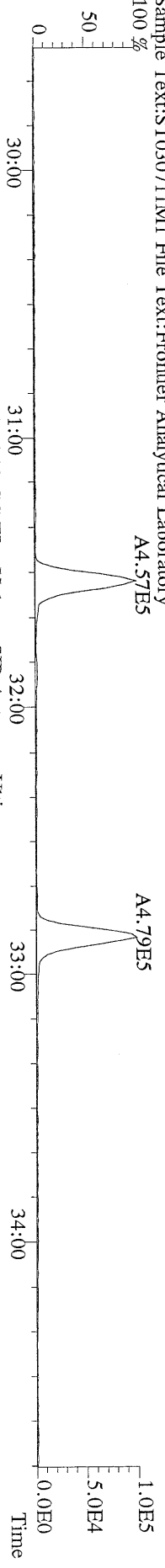




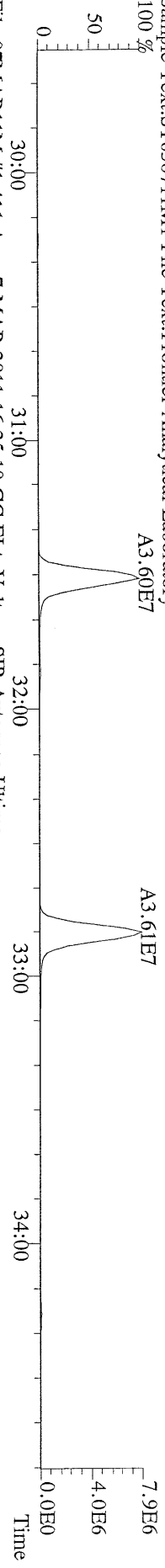
File:07MAR11M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
100 % A7.50E5



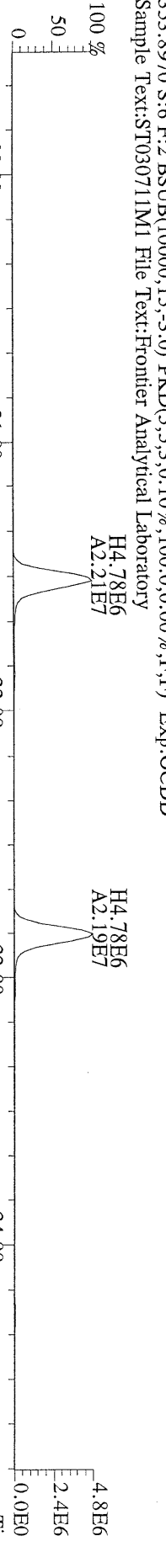
File:07MAR11M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
100 % A4.57E5



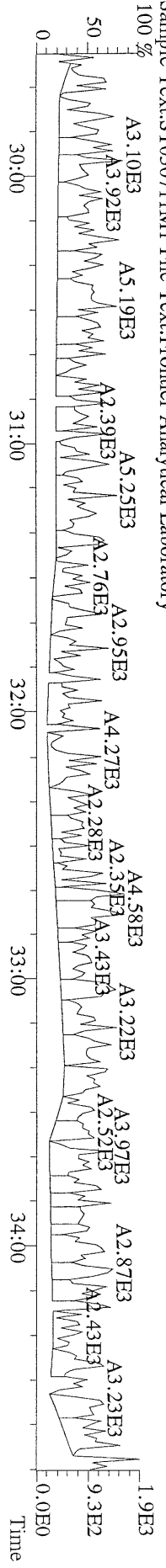
File:07MAR11M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory  
100 % A3.60E7



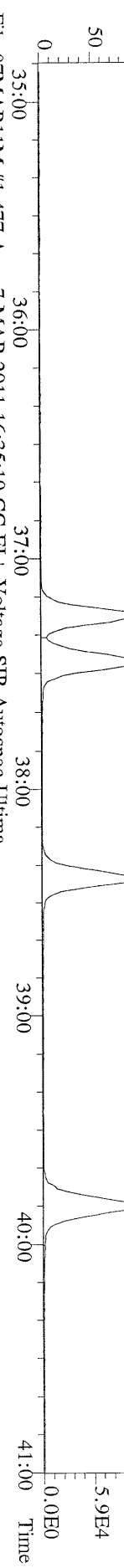
File:07MAR11M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
353.8970 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



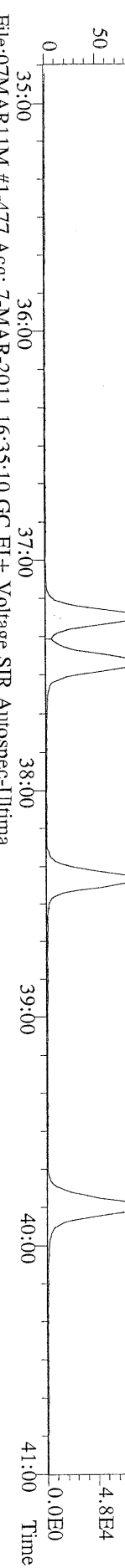
File:07MAR11M #1-411 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



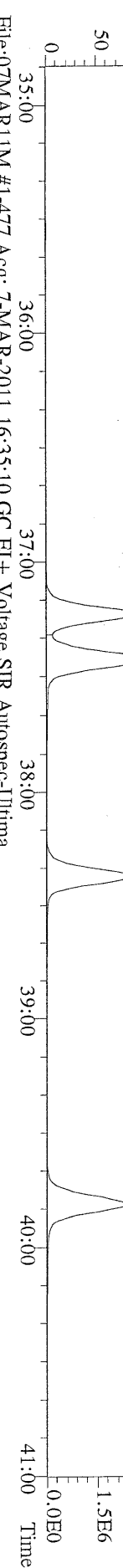
File:07MARI1M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



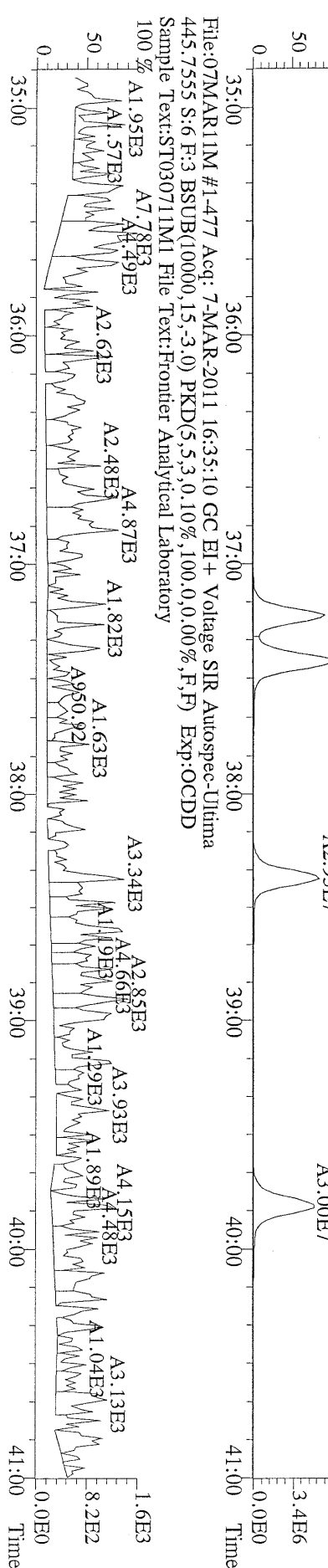
File:07MARI1M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



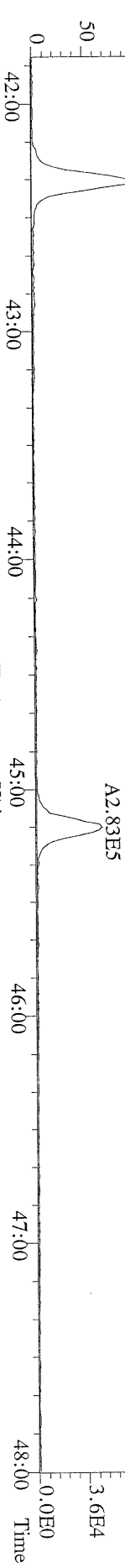
File:07MARI1M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



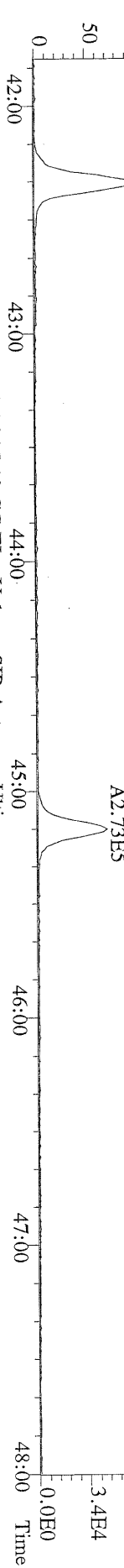
File:07MARI1M #1-477 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



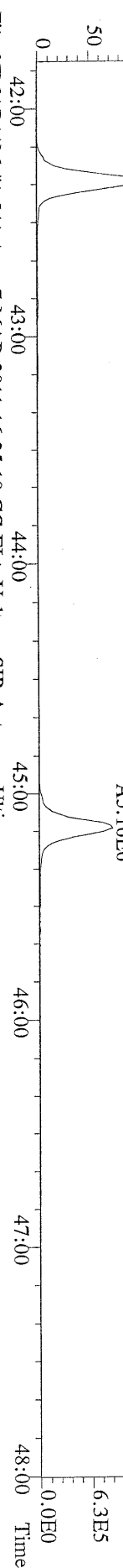
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



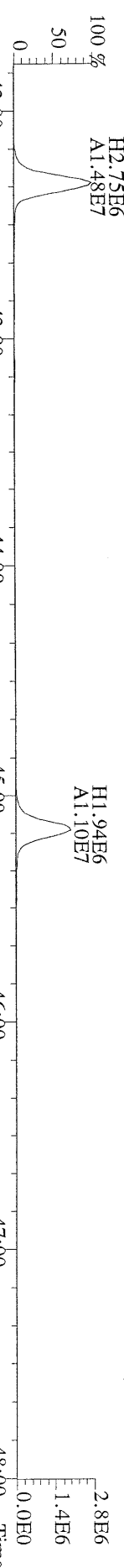
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



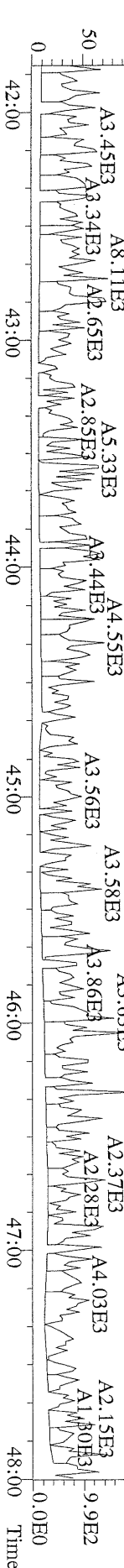
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



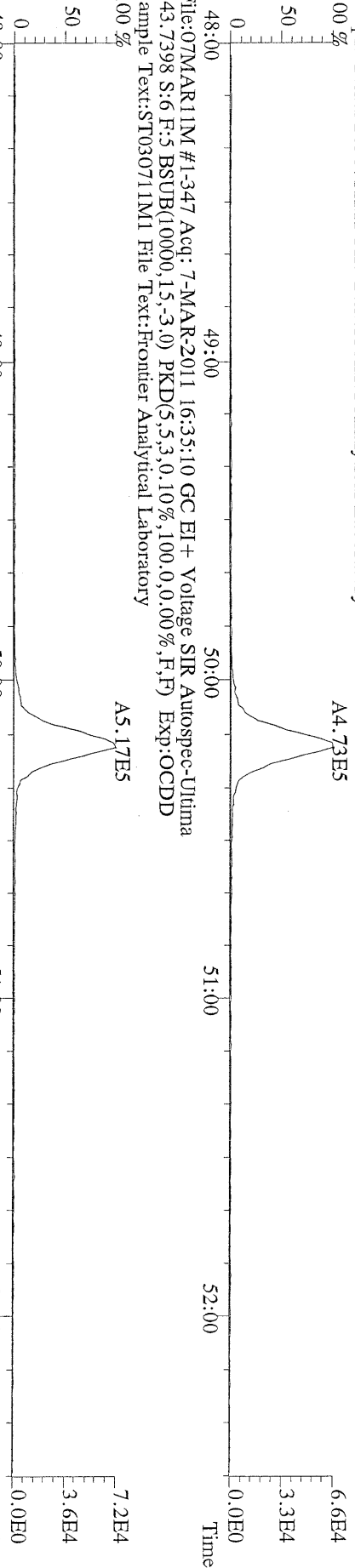
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



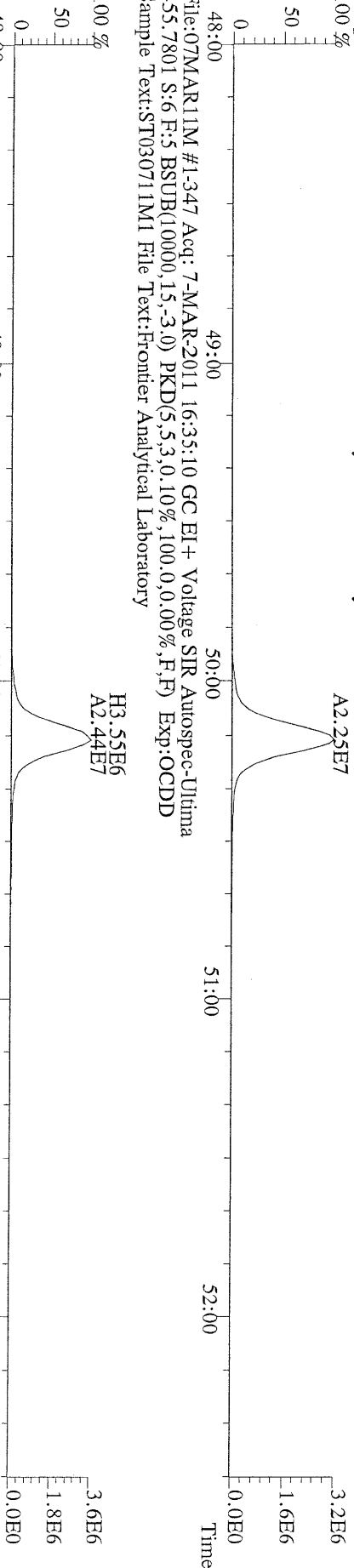
File:07MAR11M #1-541 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



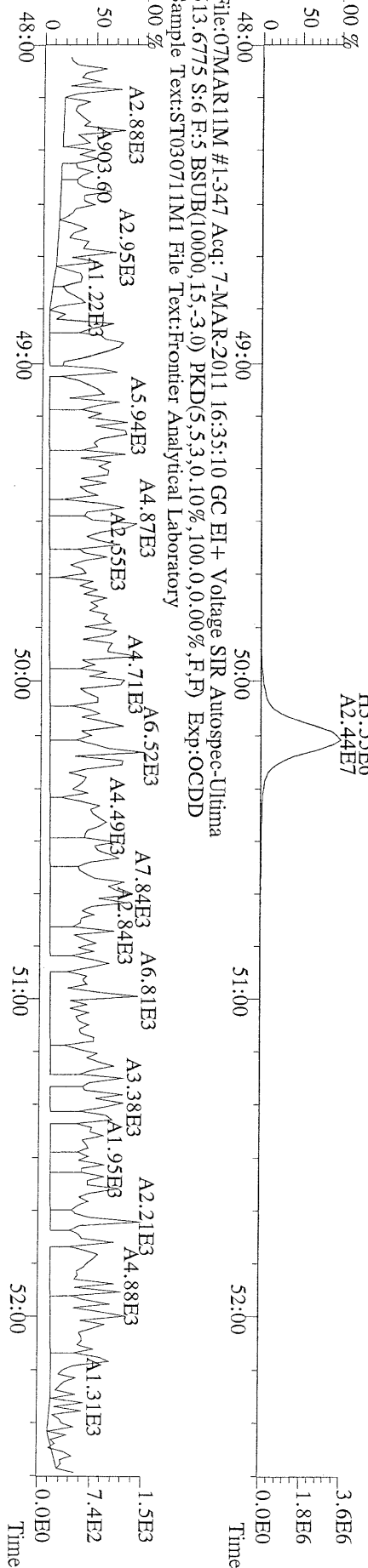
File:07MARI1M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



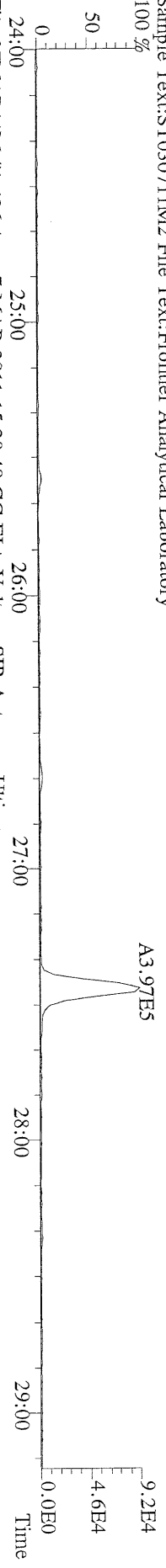
File:07MARI1M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



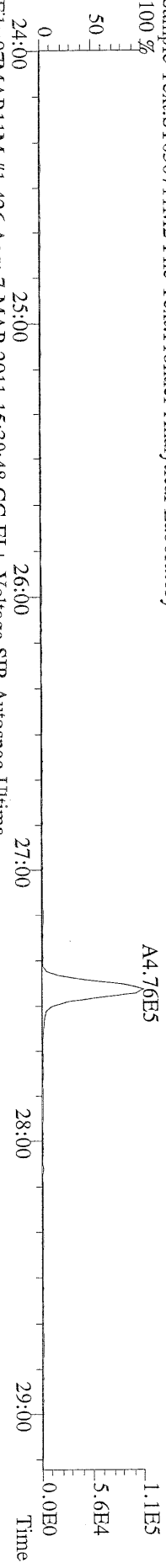
File:07MARI1M #1-347 Acq: 7-MAR-2011 16:35:10 GC EI+ Voltage SIR Autospec-Utima  
455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M1 File Text:Frontier Analytical Laboratory



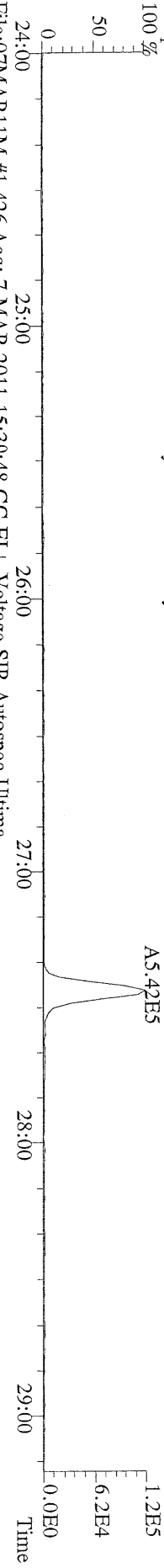
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %



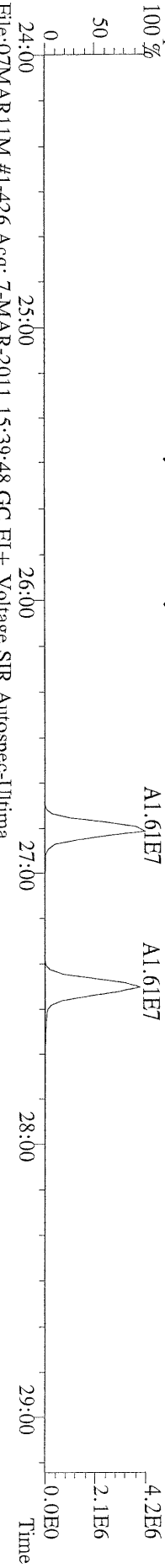
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
321.8936 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %



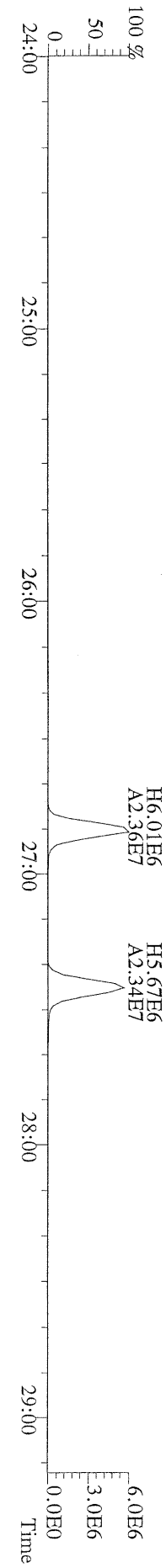
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %



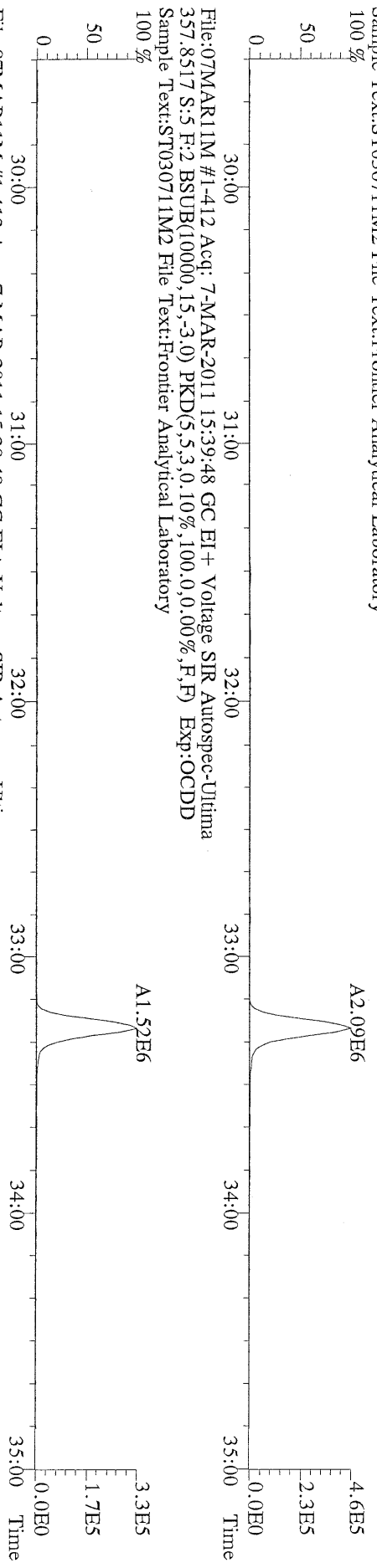
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
331.9368 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %



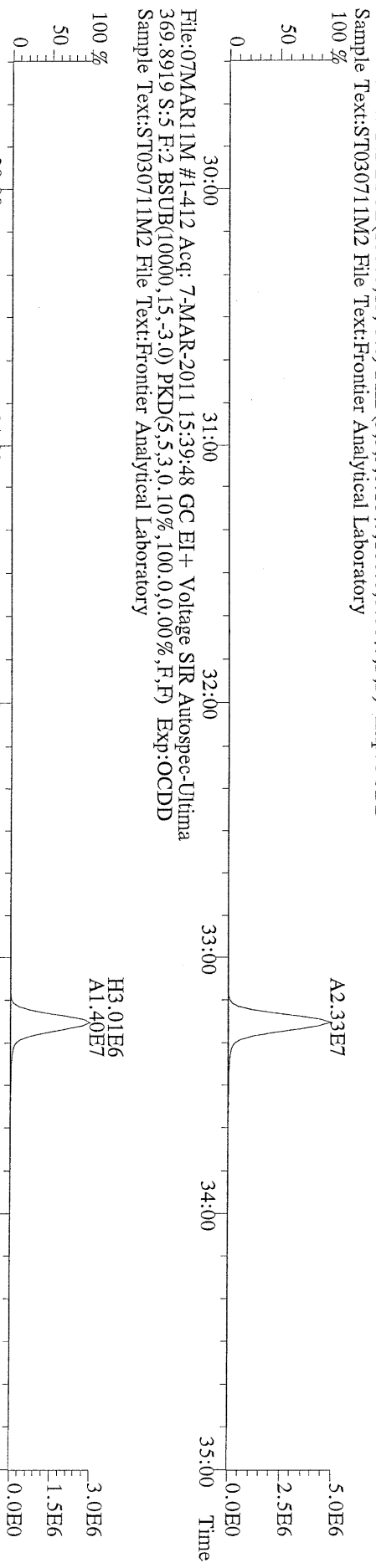
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



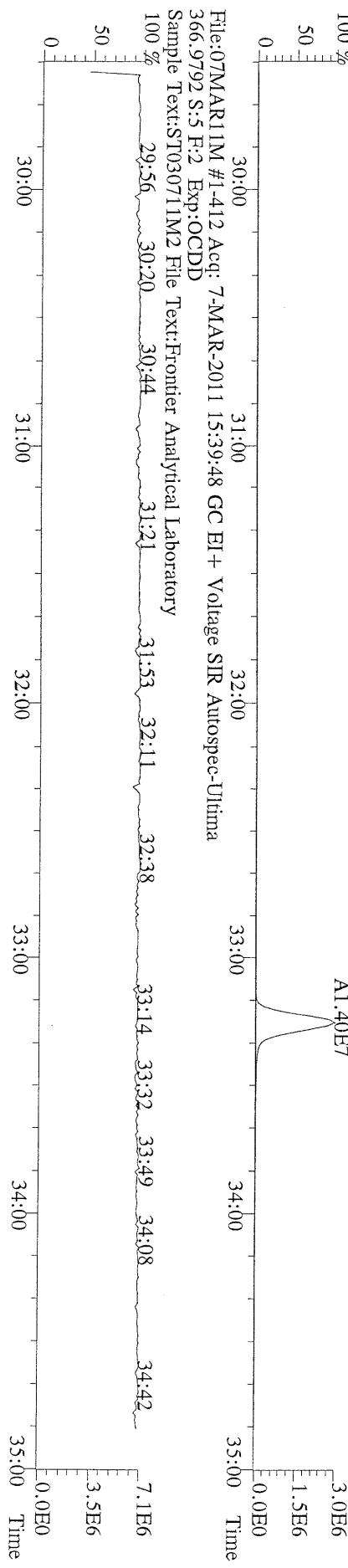
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %



File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory  
100 %

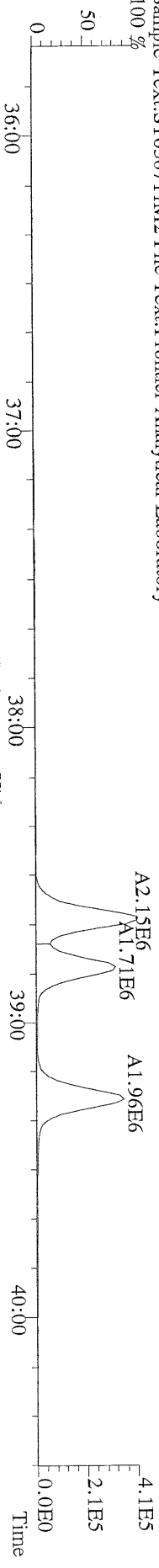


File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

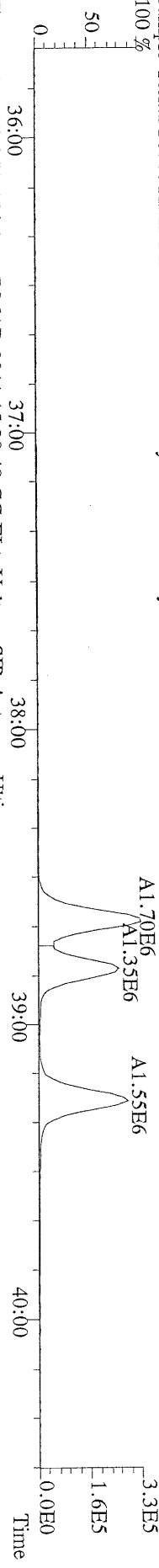


File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
366.9792 S:5 F:2 Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

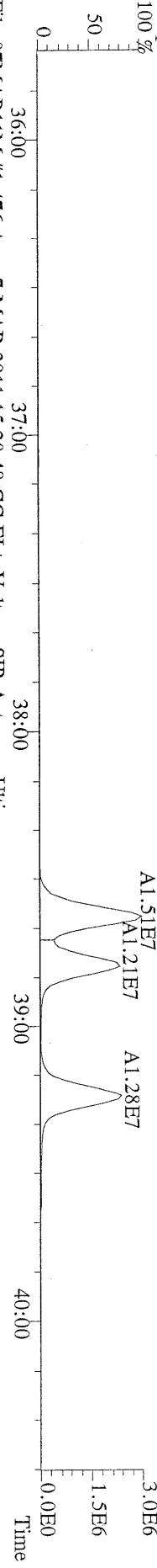
File:07MARI1M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



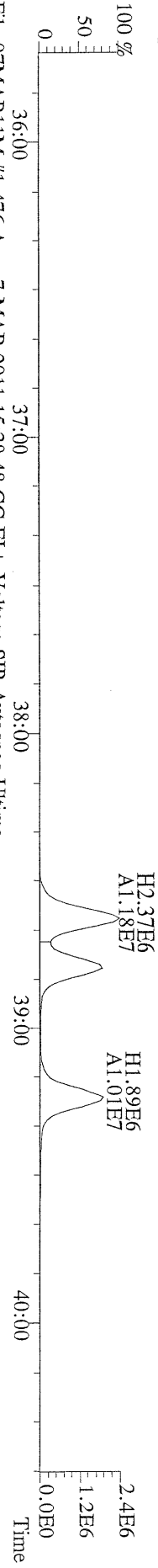
File:07MARI1M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



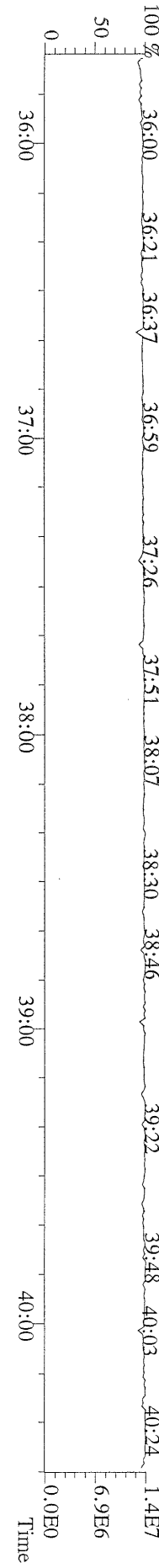
File:07MARI1M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



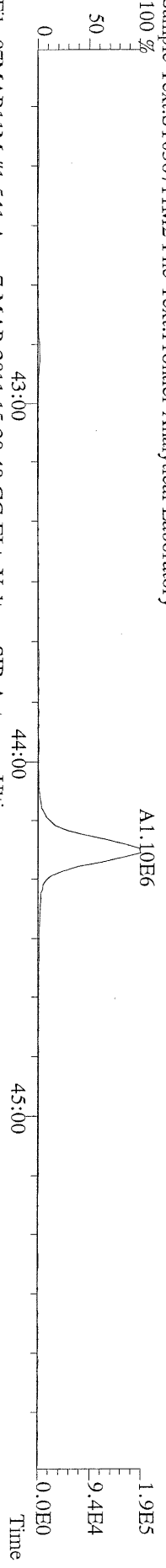
File:07MARI1M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



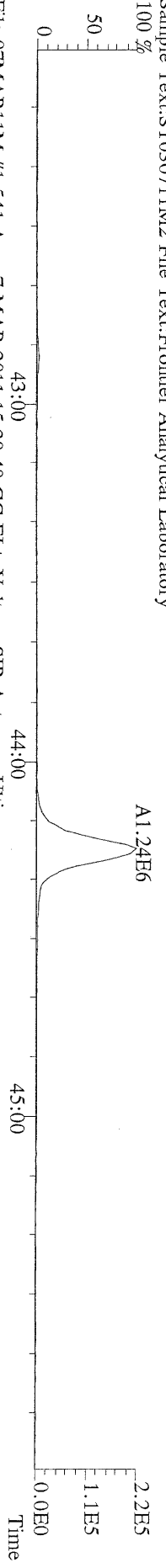
File:07MARI1M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:5 F:3 Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



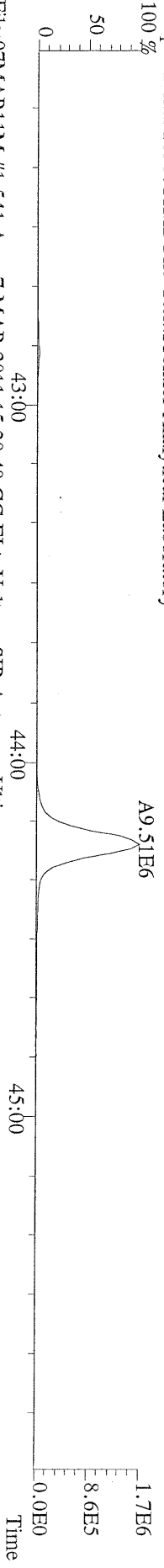
File:07MARI1M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
 423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



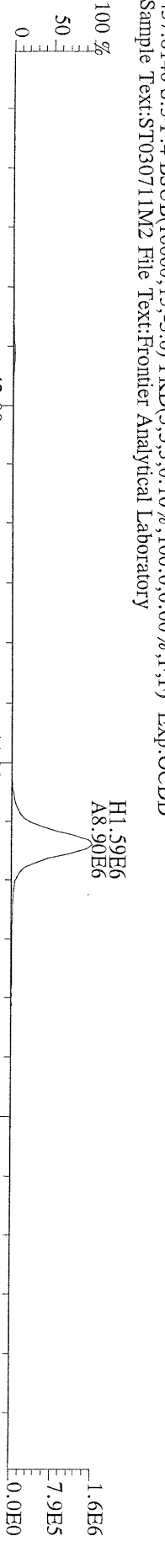
File:07MARI1M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
 425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



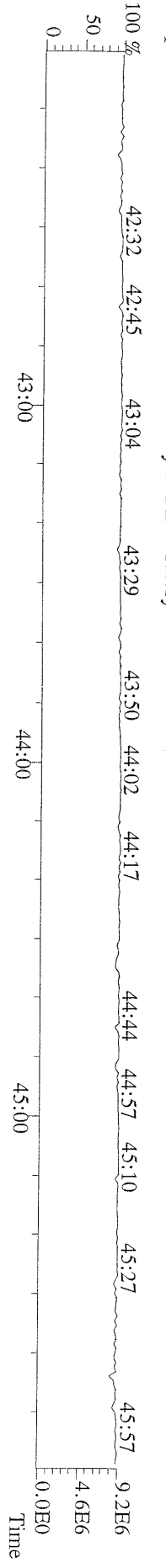
File:07MARI1M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
 435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



File:07MARI1M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
 437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

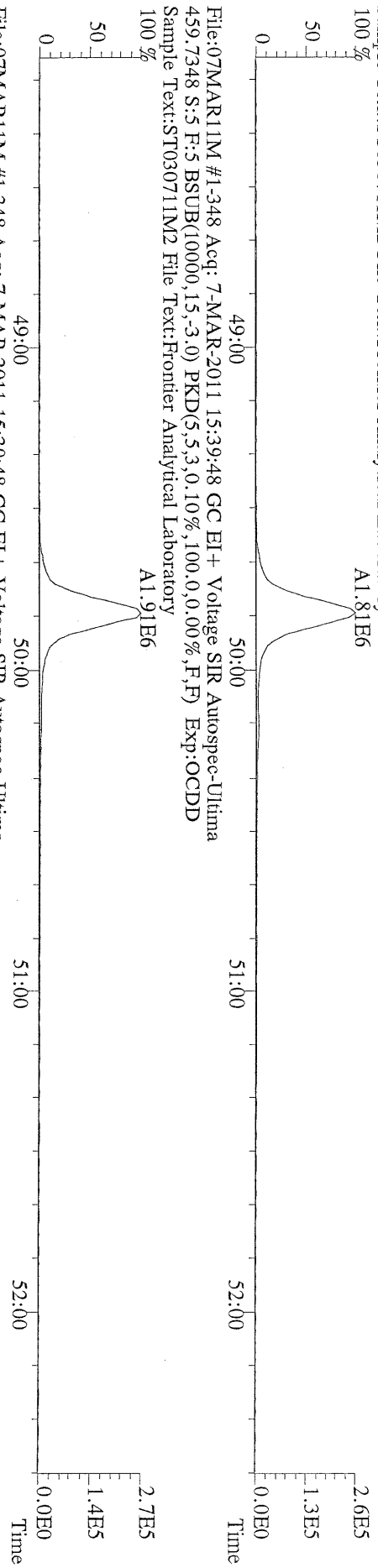


File:07MARI1M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
 430.9728 S:5 F:4 Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

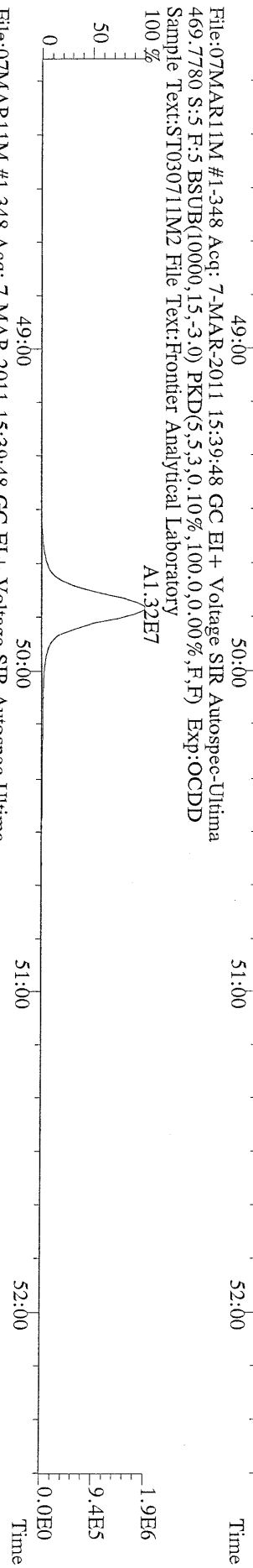




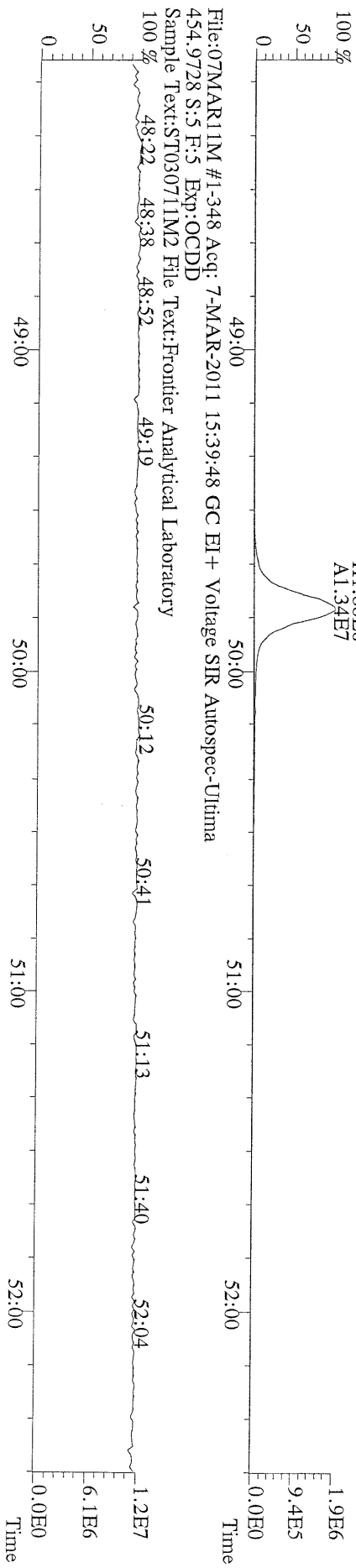
File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



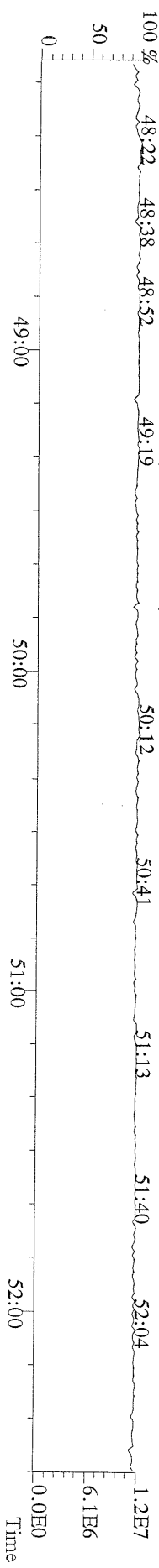
File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



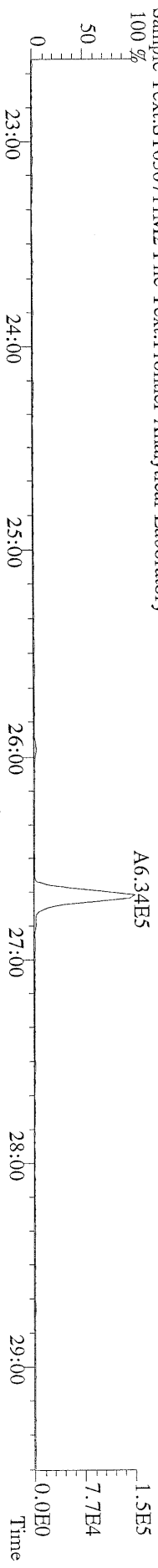
File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



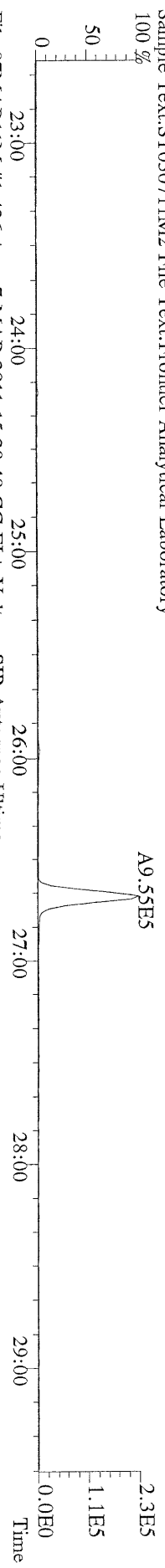
File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:5 F:5 Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



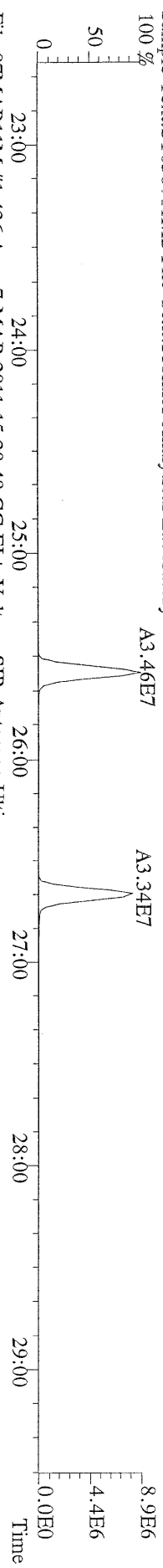
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



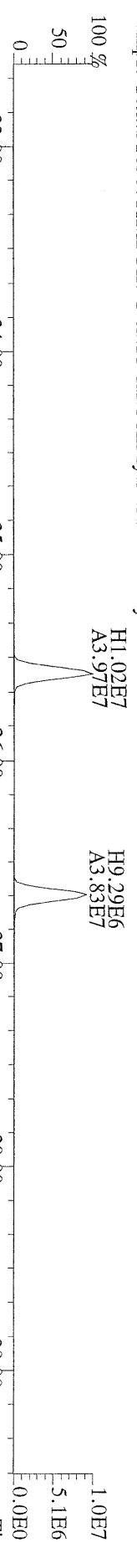
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



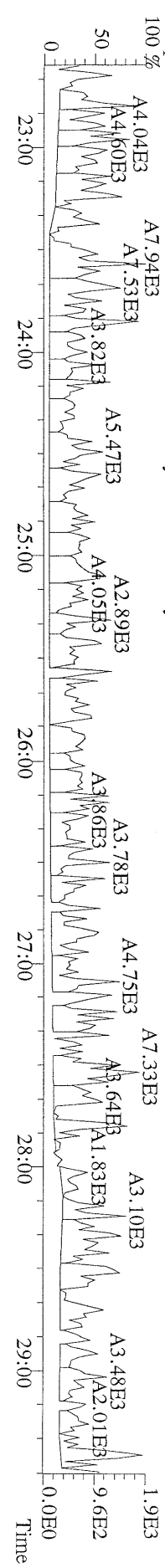
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



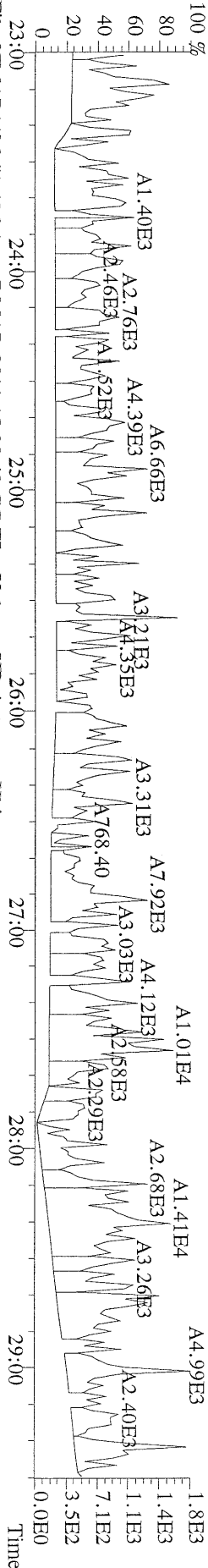
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



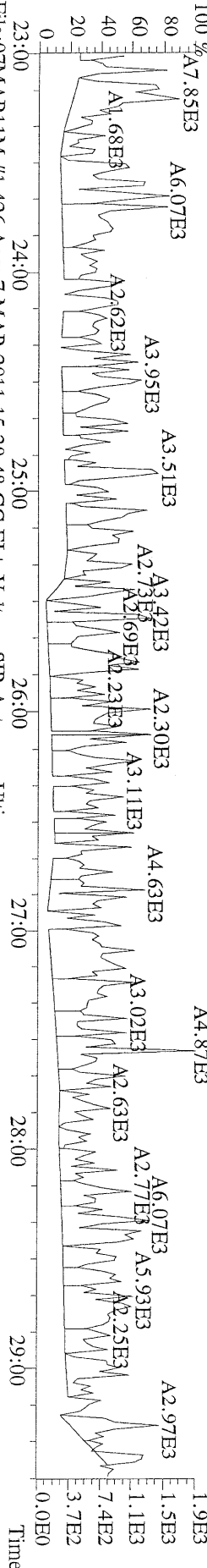
File:07MAR11M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



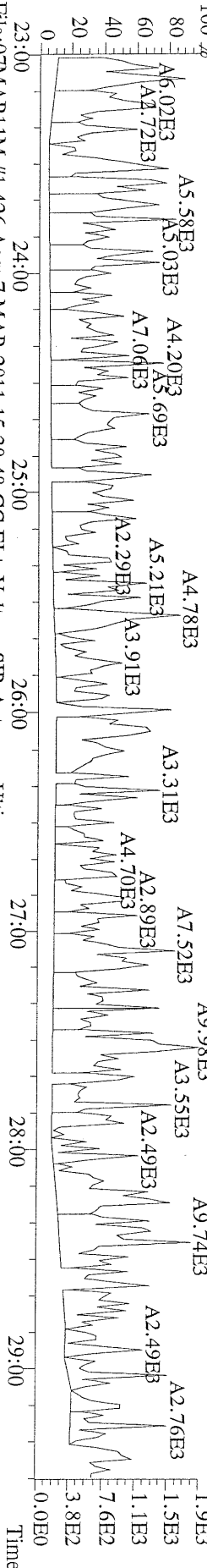
File:07MARI1M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI + Voltage SIR Autospec-Ultima  
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



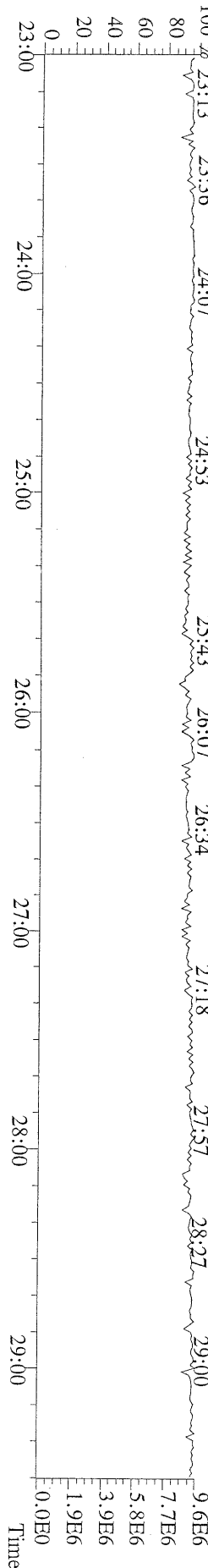
File:07MARI1M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI + Voltage SIR Autospec-Ultima  
 341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



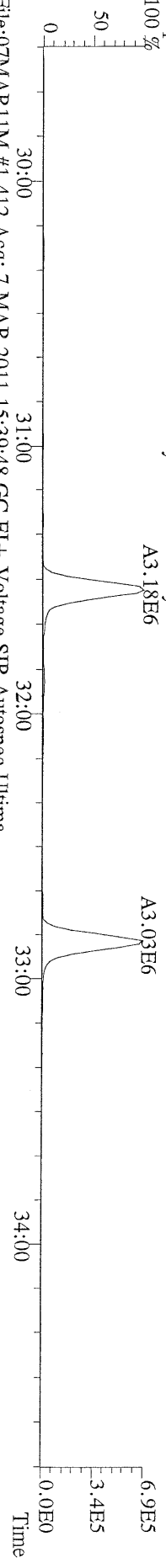
File:07MARI1M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI + Voltage SIR Autospec-Ultima  
 409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



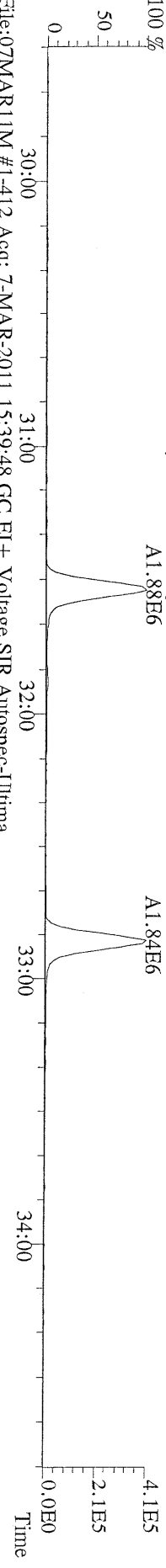
File:07MARI1M #1-426 Acq: 7-MAR-2011 15:39:48 GC EI + Voltage SIR Autospec-Ultima  
 316.9824 S:5 Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



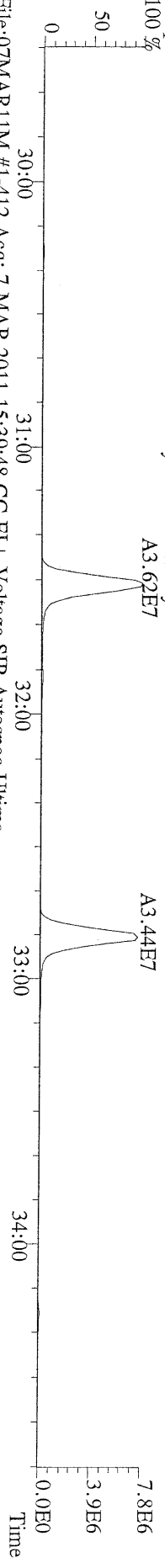
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



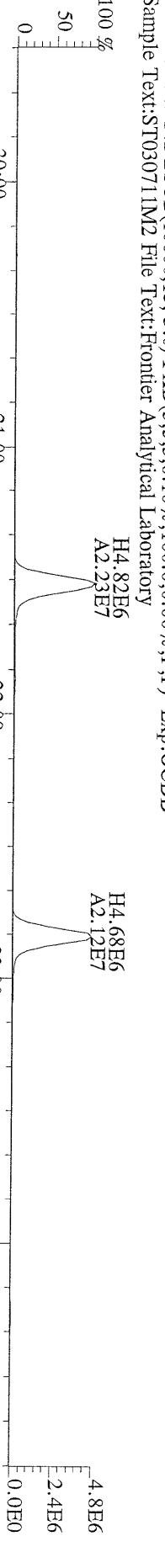
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



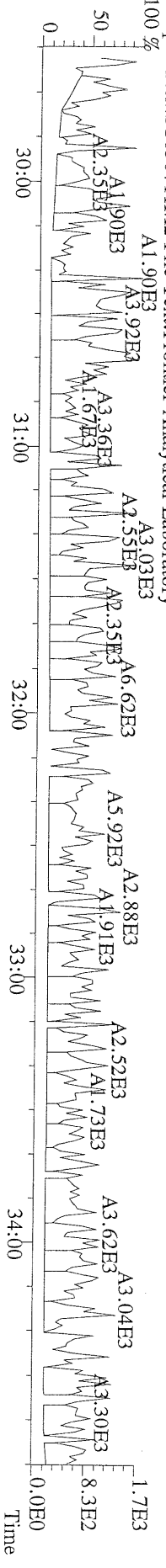
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



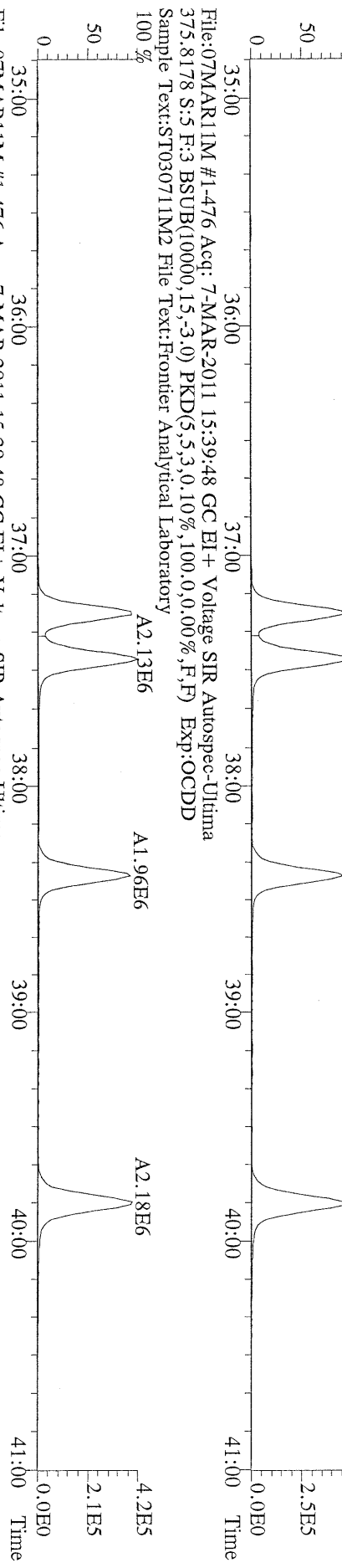
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



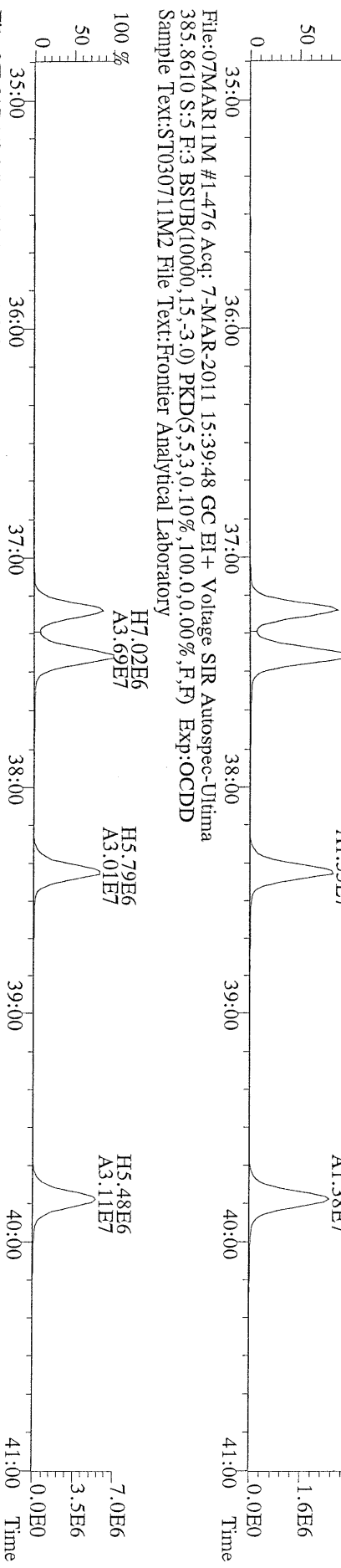
File:07MAR11M #1-412 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



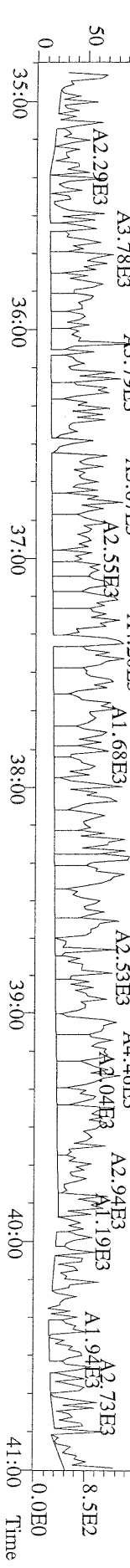
File:07MAR11M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



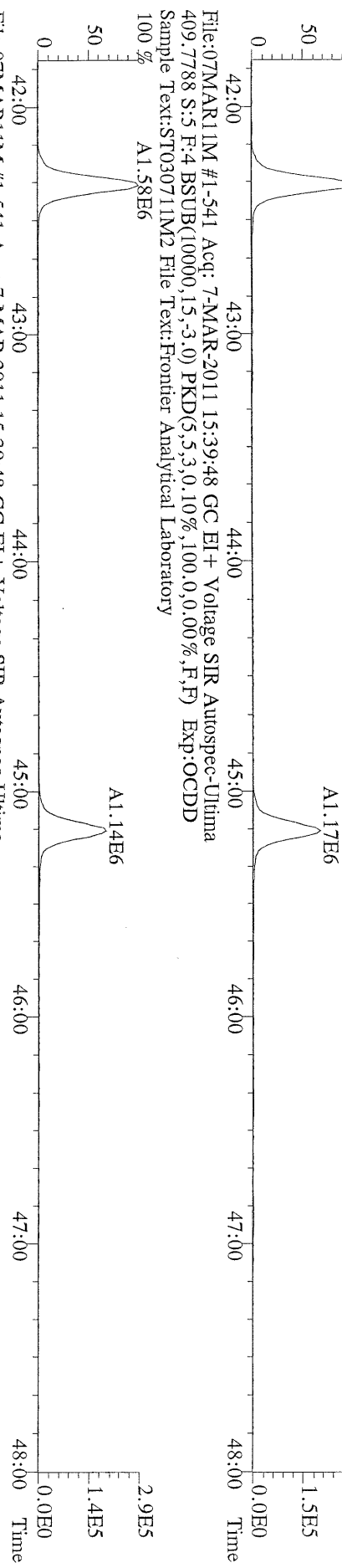
File:07MAR11M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



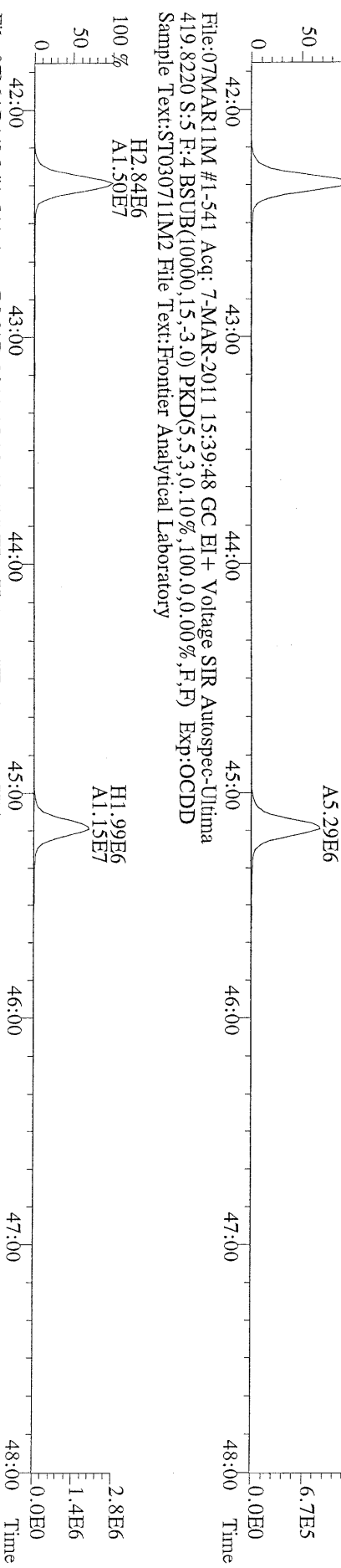
File:07MAR11M #1-476 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:5 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



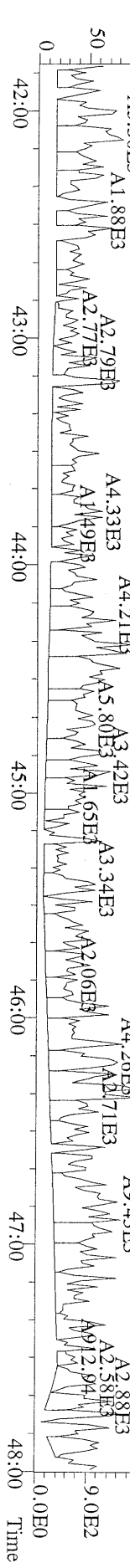
File:07MAR11M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



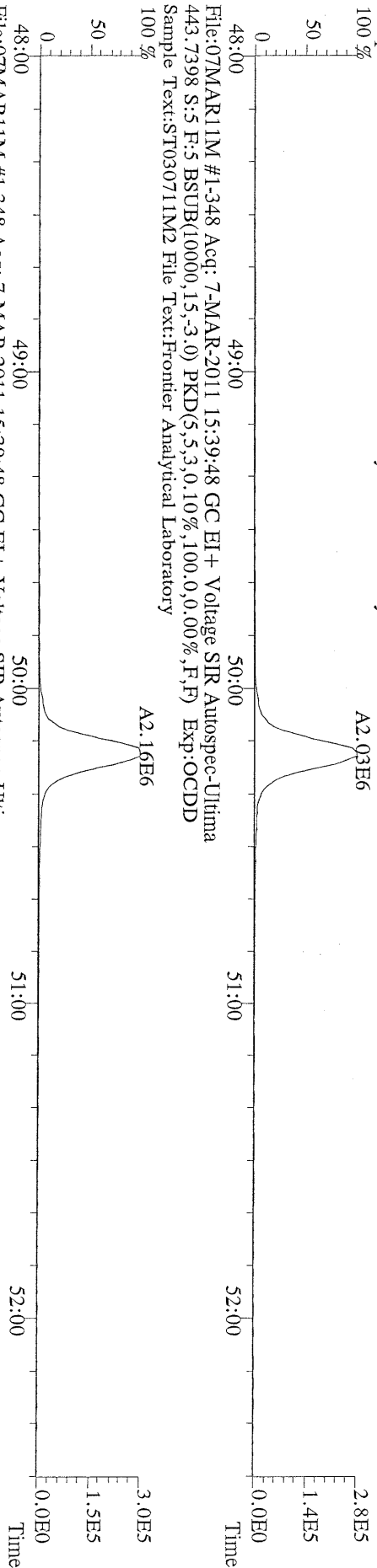
File:07MAR11M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



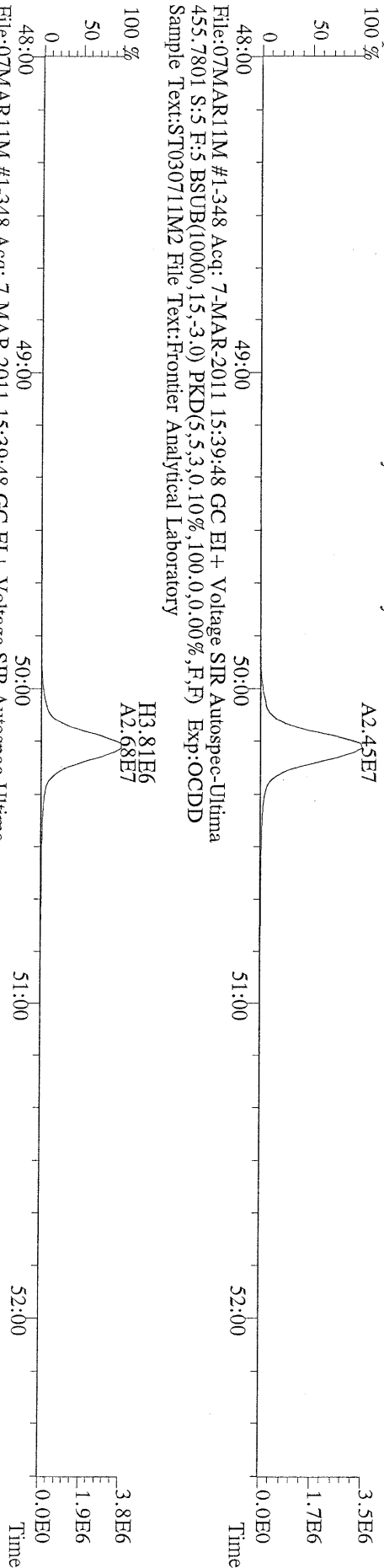
File:07MAR11M #1-541 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Utima  
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



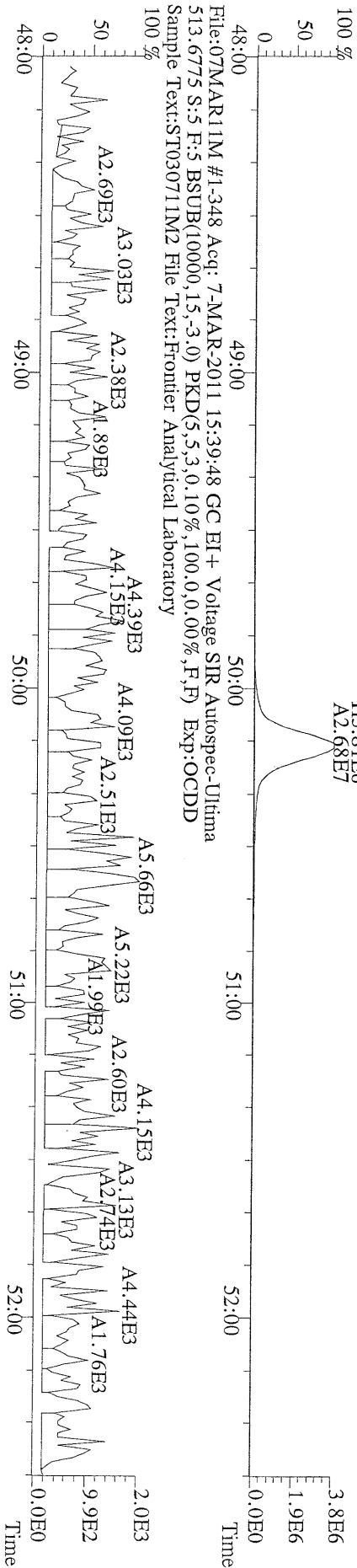
File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

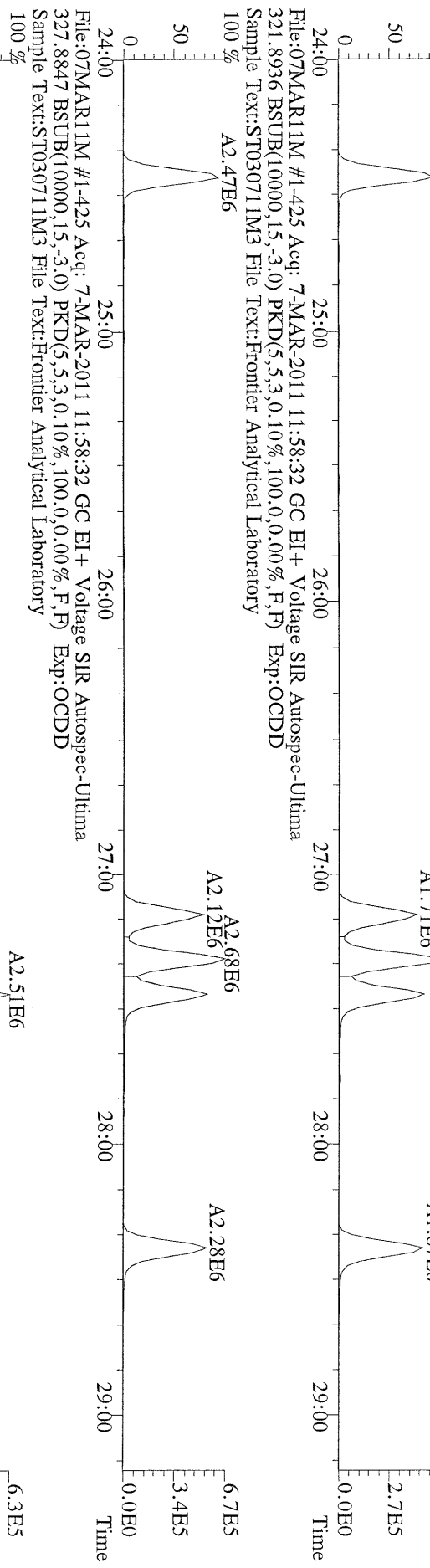


File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

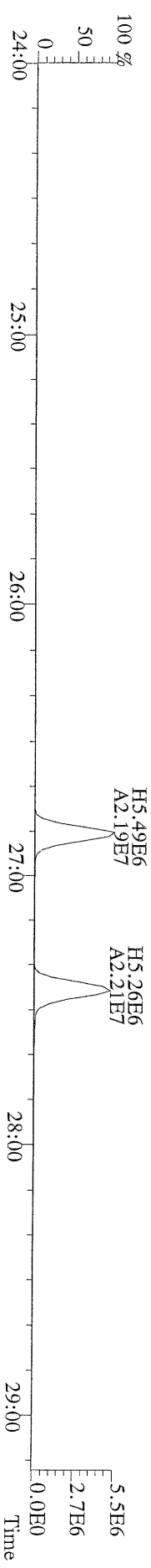


File:07MAR11M #1-348 Acq: 7-MAR-2011 15:39:48 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M2 File Text:Frontier Analytical Laboratory

File:07MARI1M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %

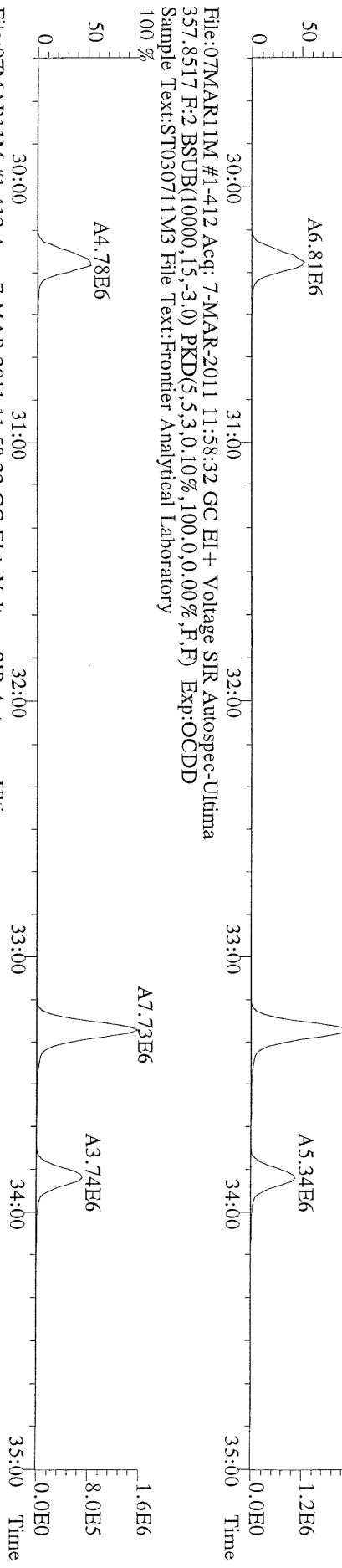


File:07MARI1M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %

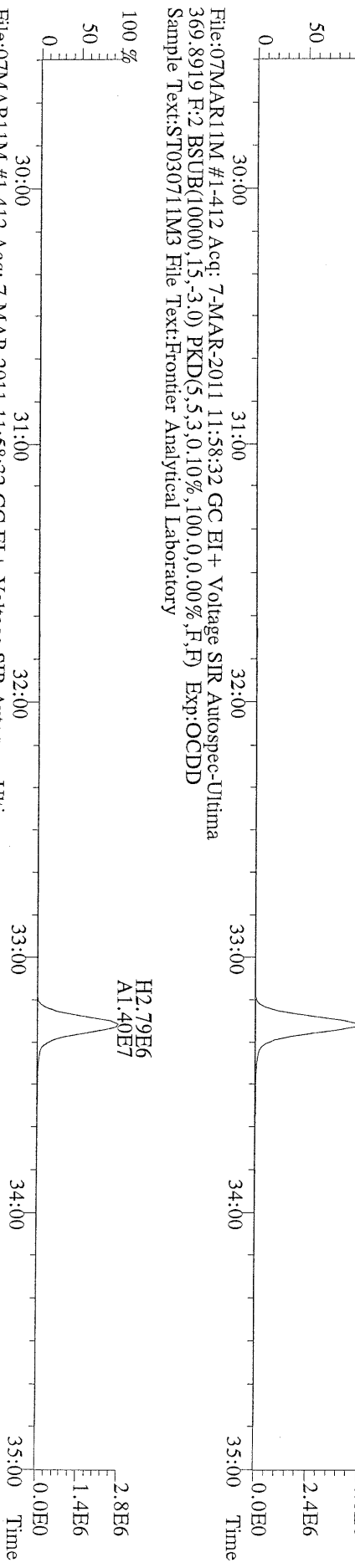




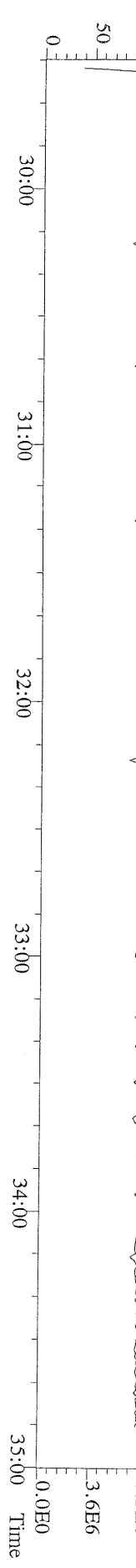
File:07TMARI1M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



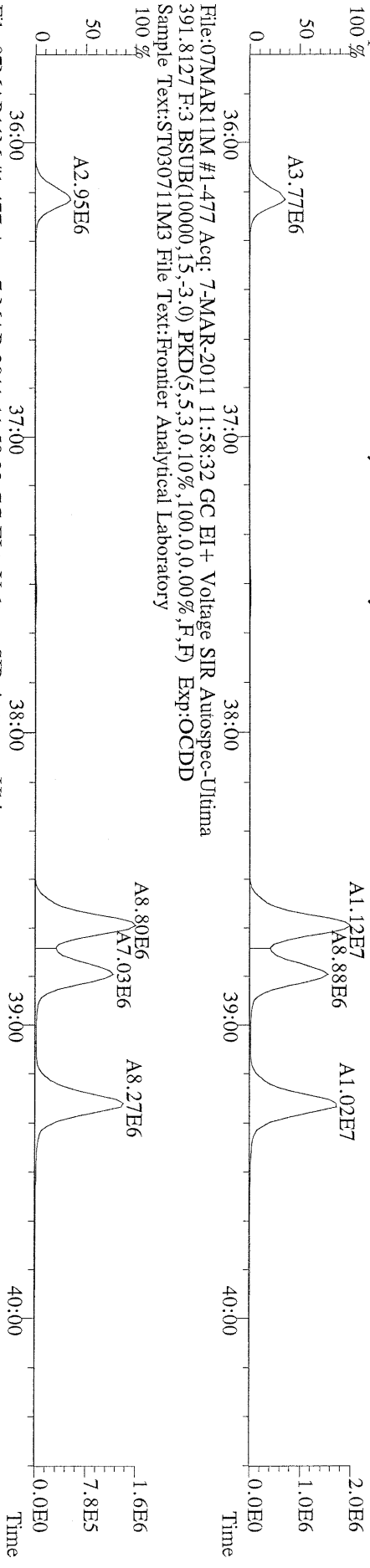
File:07TMARI1M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



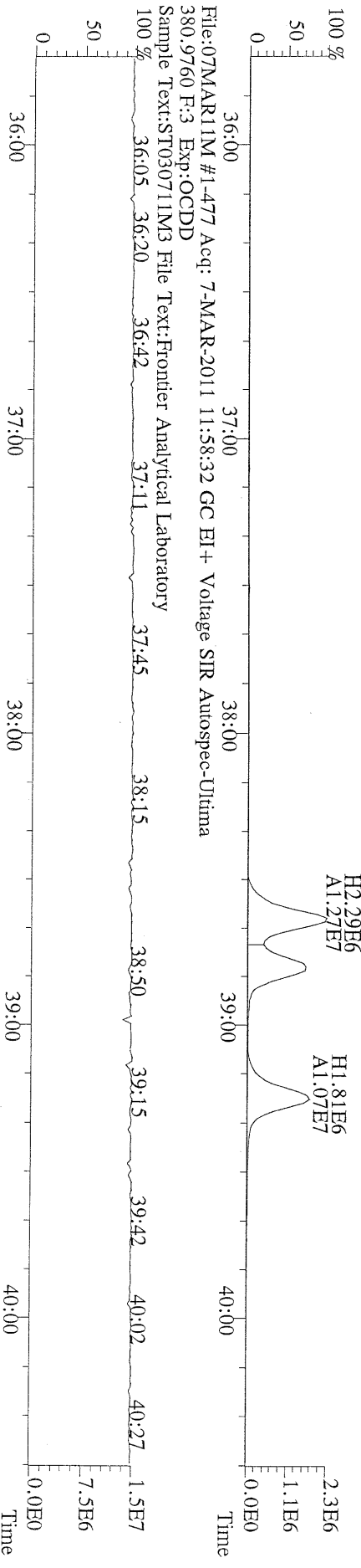
File:07TMARI1M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 F:2 Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



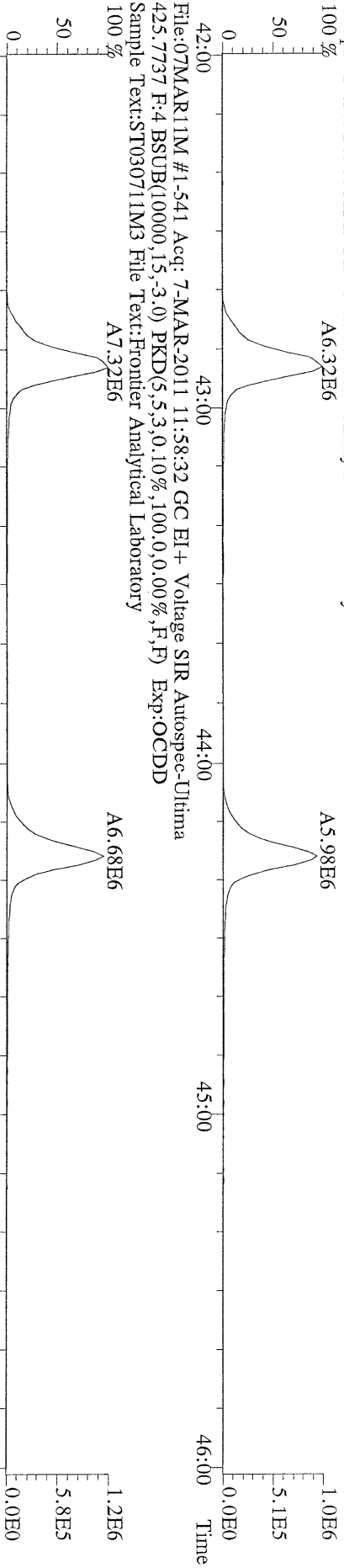
File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Utima  
389.8156 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



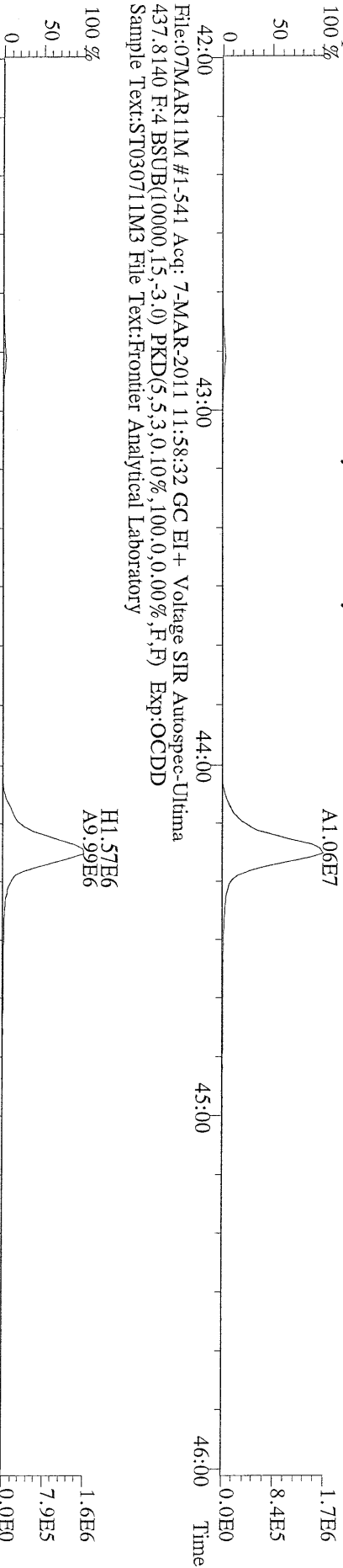
File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Utima  
401.8559 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



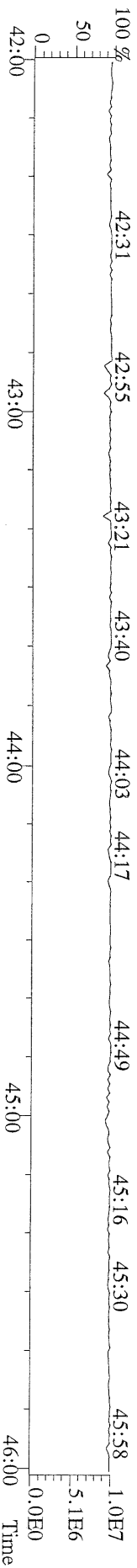
File:07MARI1M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



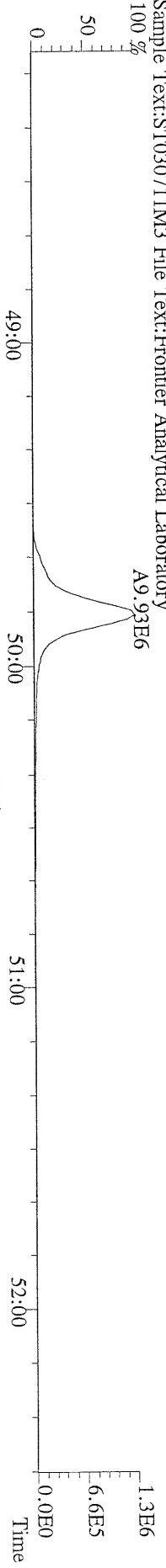
File:07MARI1M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



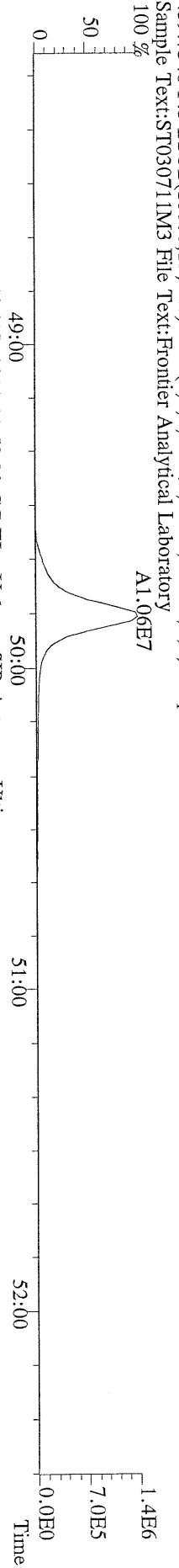
File:07MARI1M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 F:4 Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



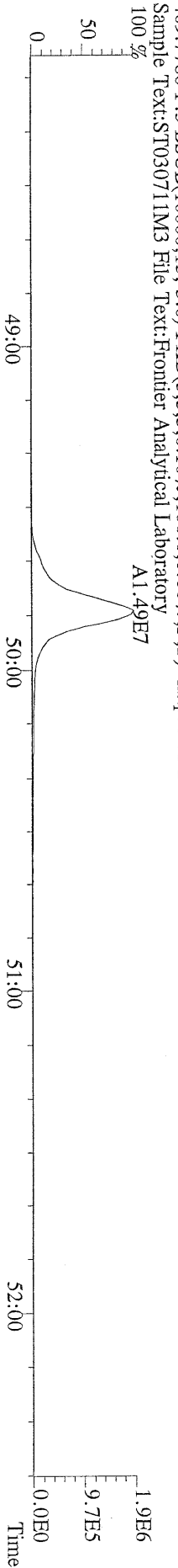
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 % A9.93E6



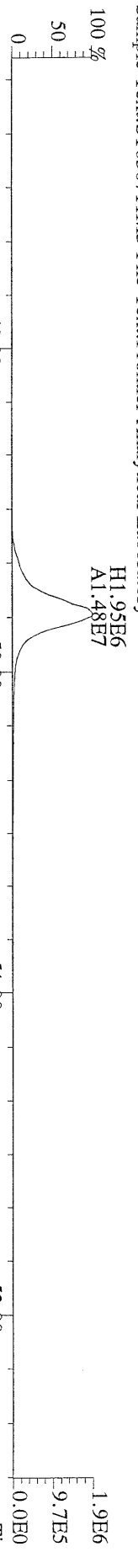
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 % A1.06E7



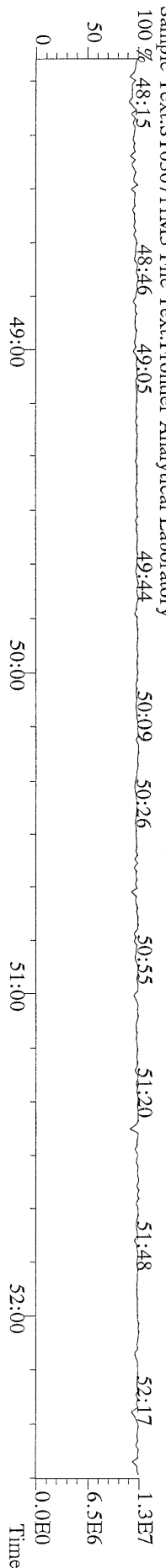
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 % A1.49E7



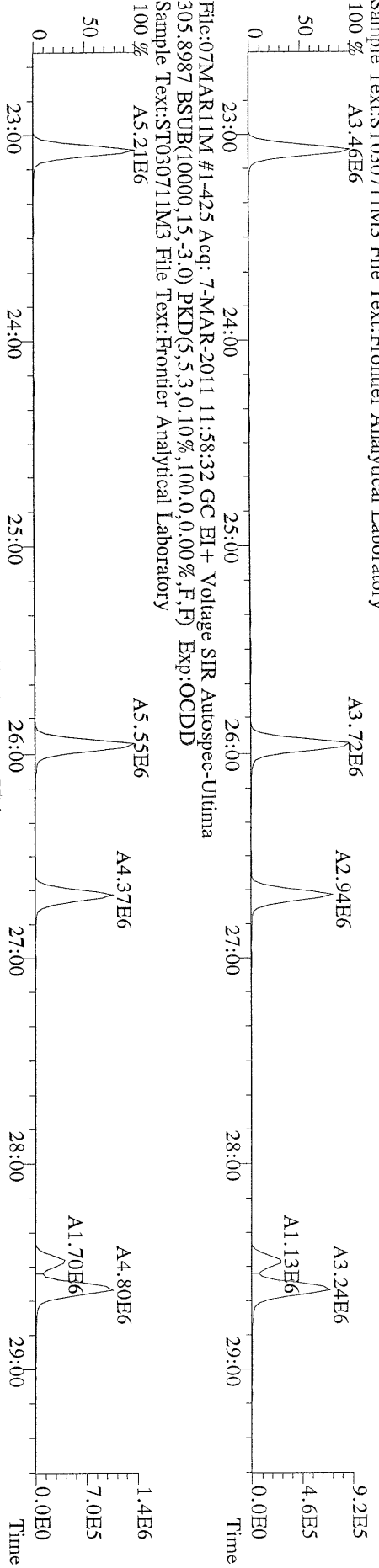
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



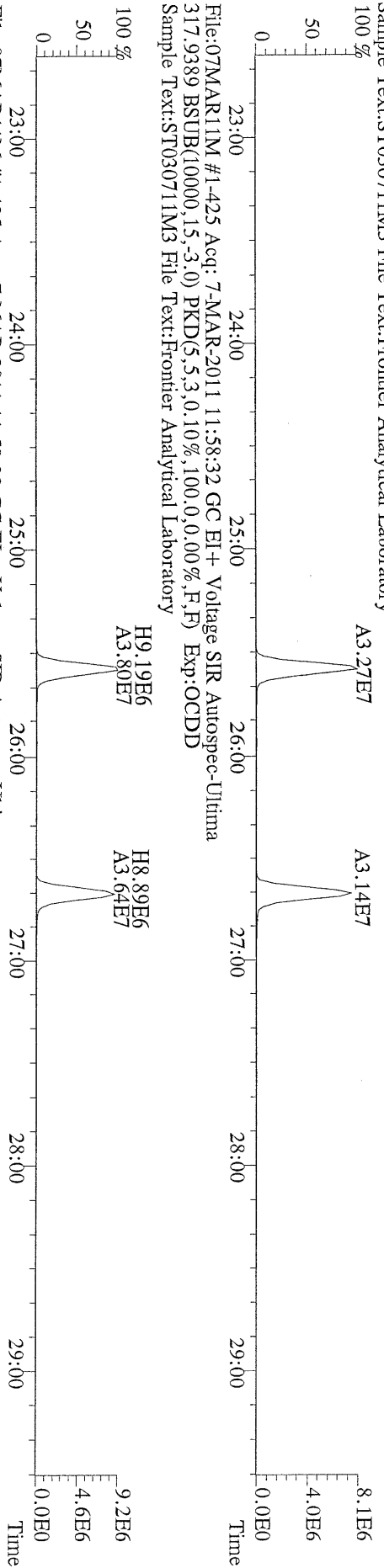
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 F:5 Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



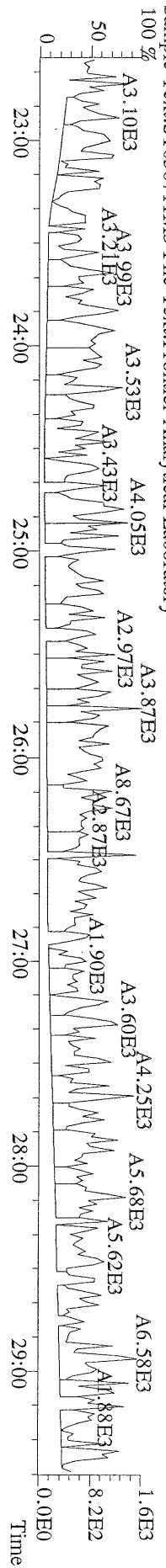
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



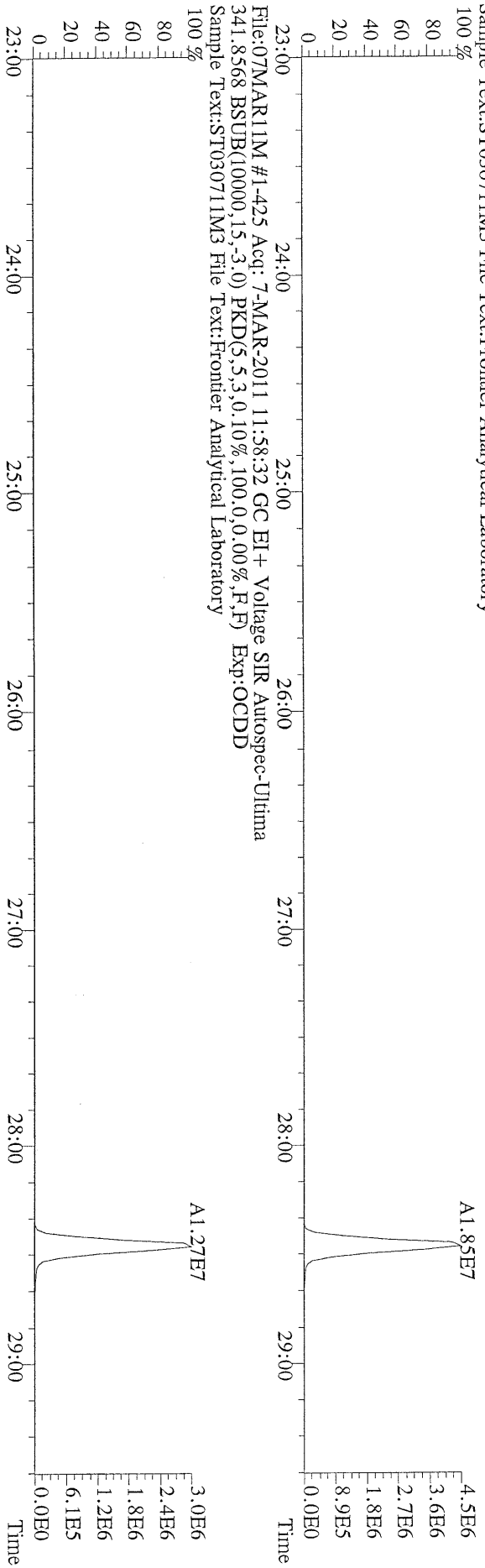
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



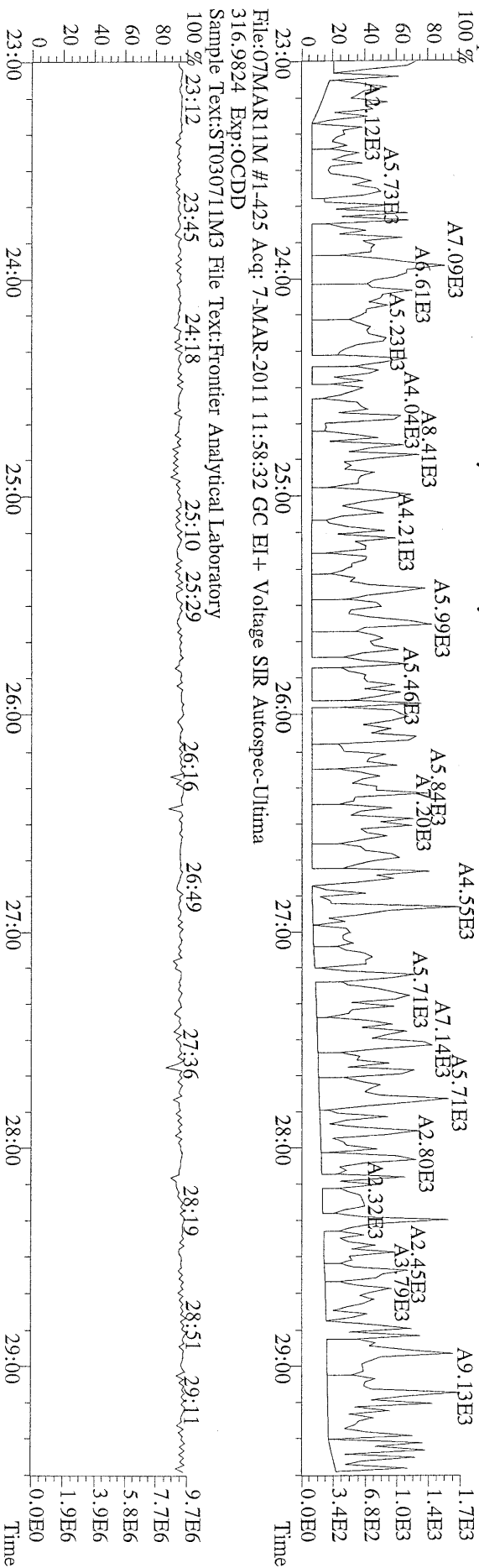
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



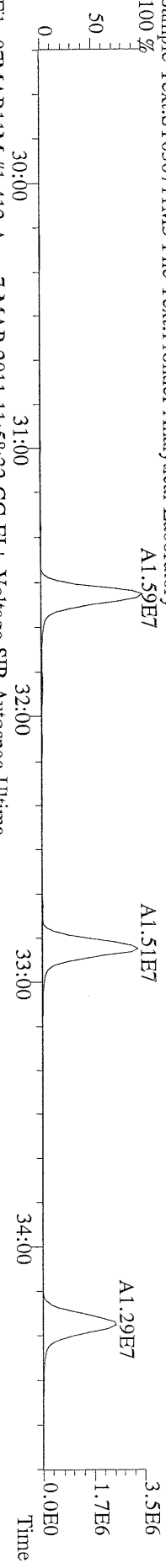
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



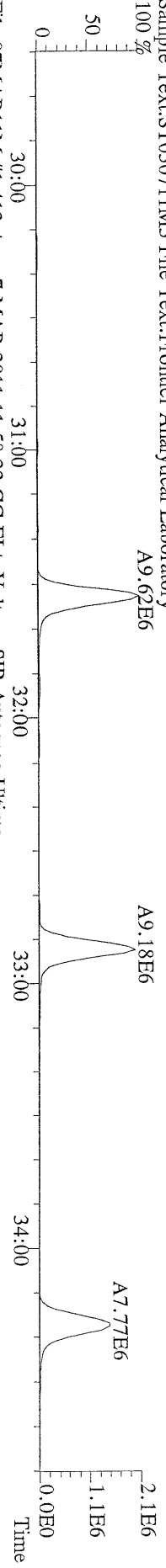
File:07MAR11M #1-425 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



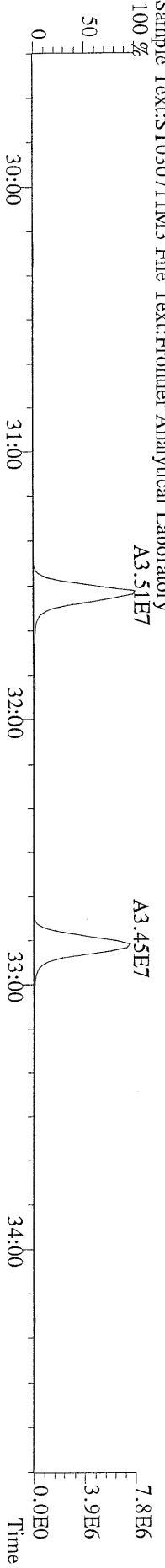
File:07MAR11M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



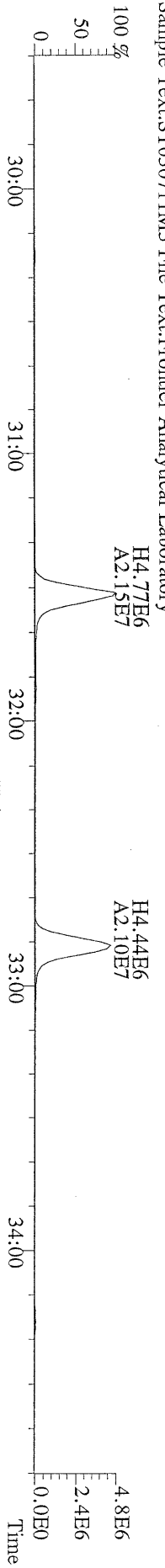
File:07MAR11M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



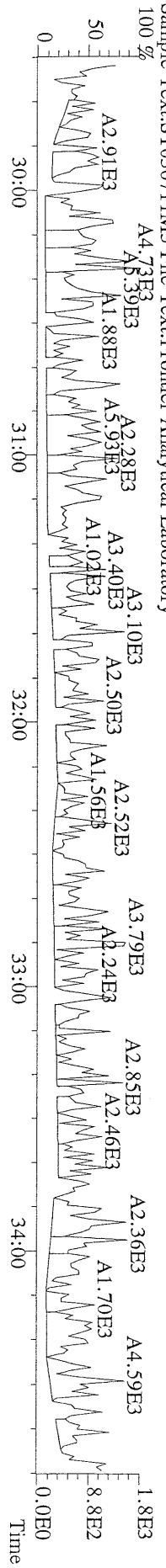
File:07MAR11M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



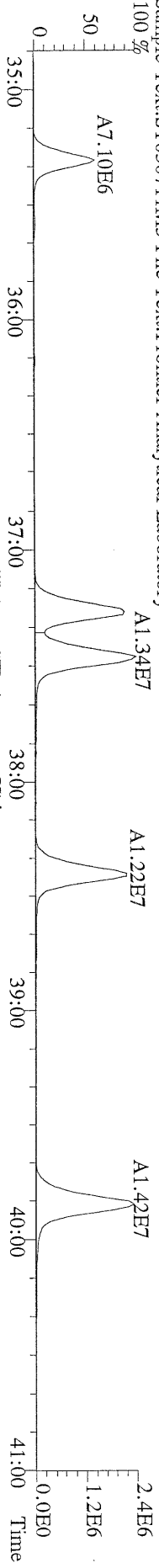
File:07MAR11M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



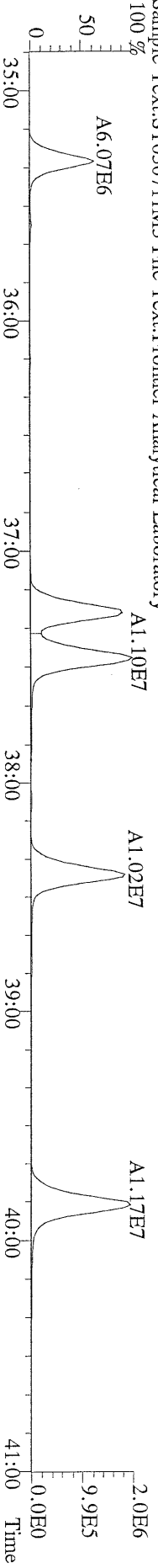
File:07MAR11M #1-412 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



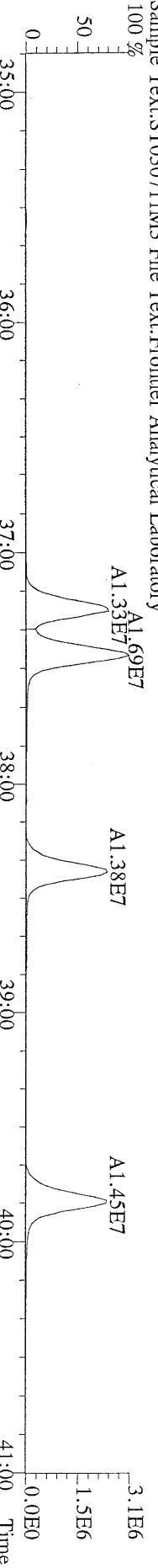
File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



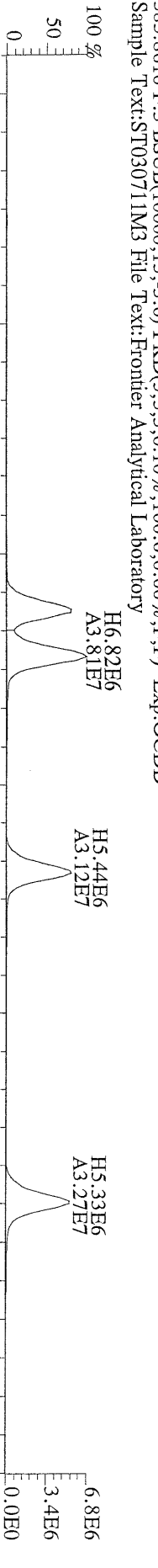
File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
 375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



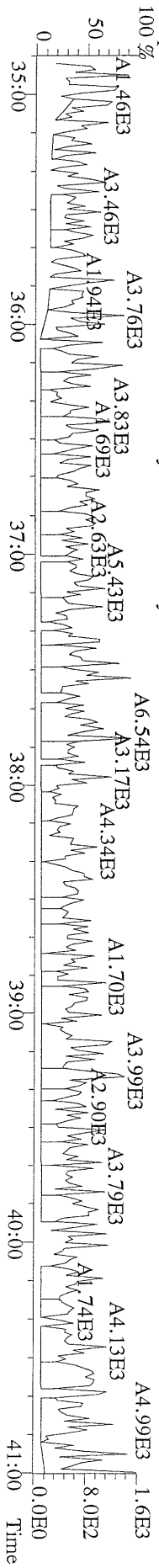
File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
 383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
 385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory

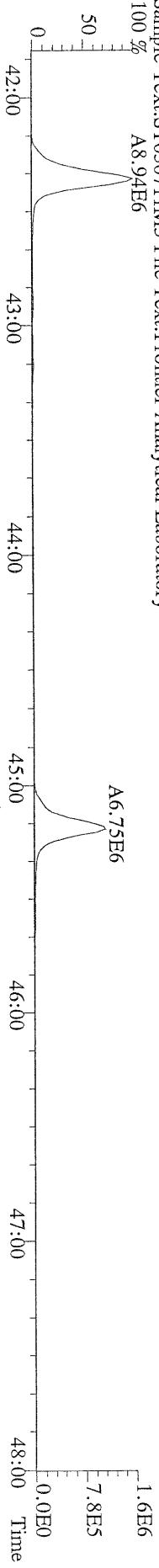


File:07MAR11M #1-477 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
 445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory

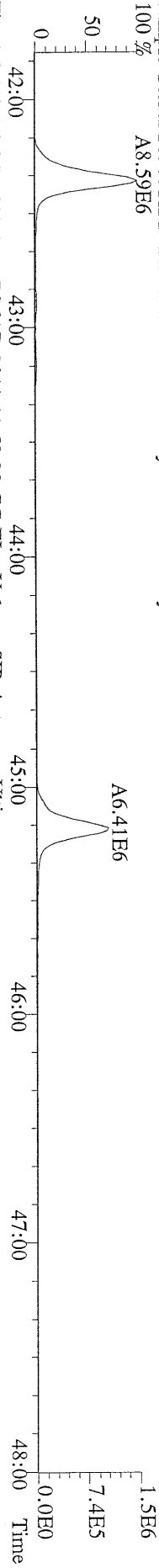




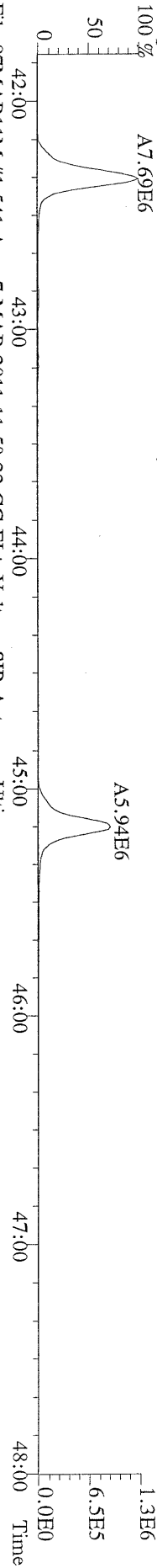
File:07MAR11M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



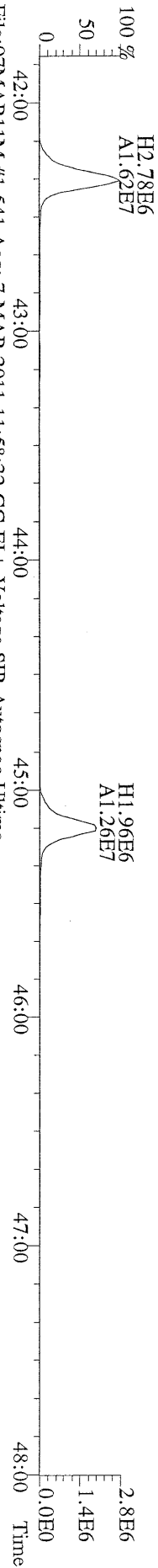
File:07MAR11M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



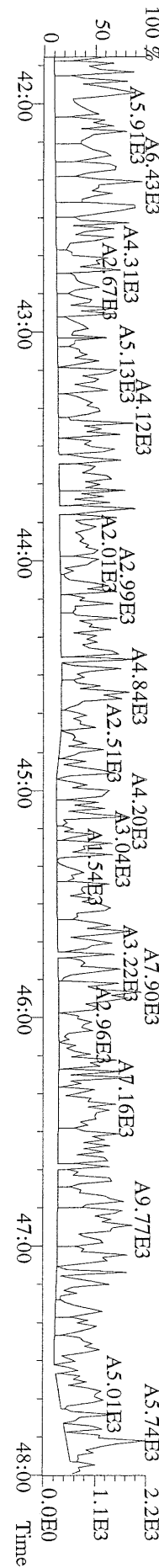
File:07MAR11M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



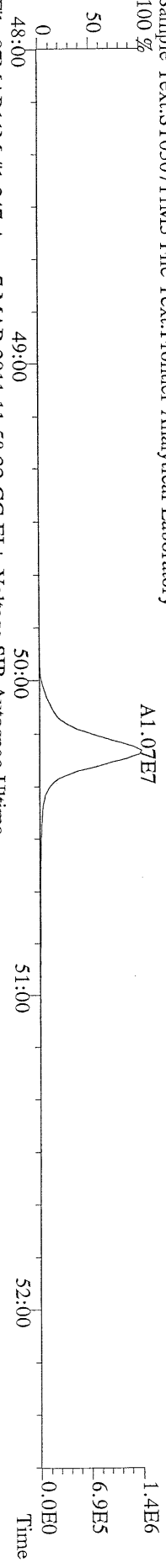
File:07MAR11M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



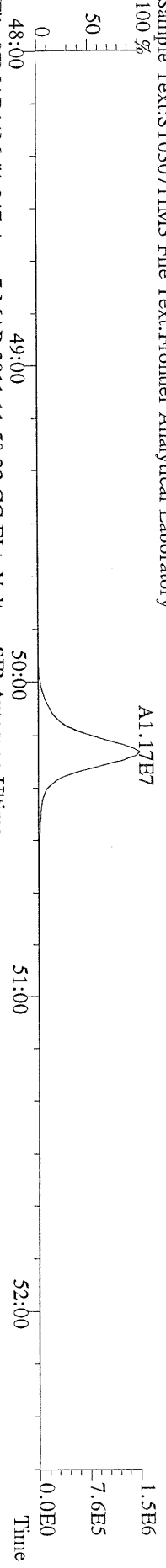
File:07MAR11M #1-541 Acq: 7-MAR-2011 11:58:32 GC EI + Voltage SIR Autospec-Ultima  
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory  
100 %



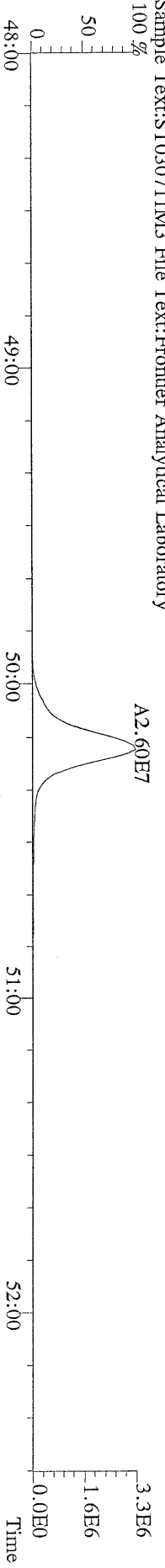
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



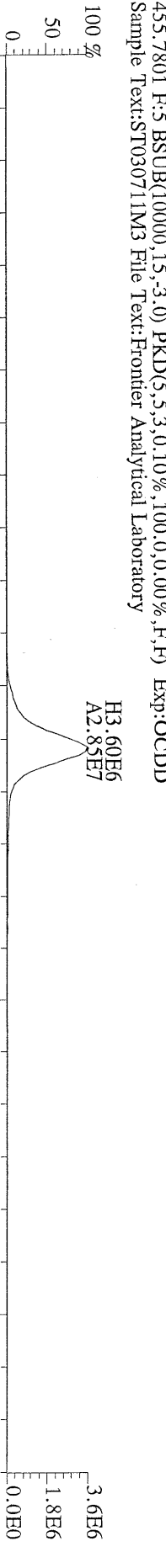
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



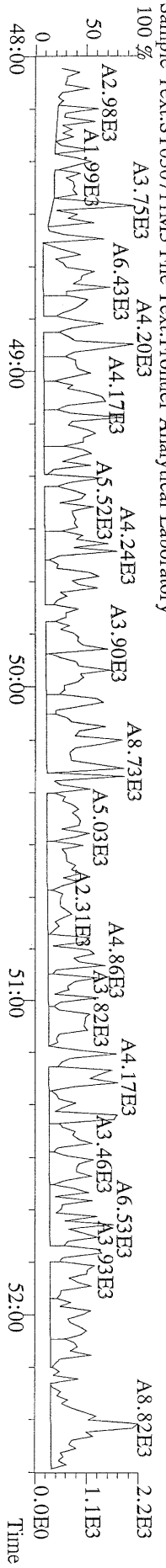
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



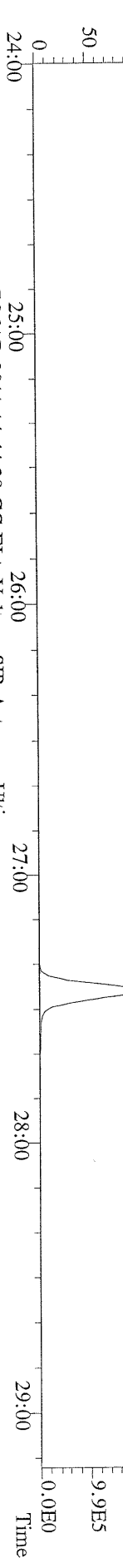
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



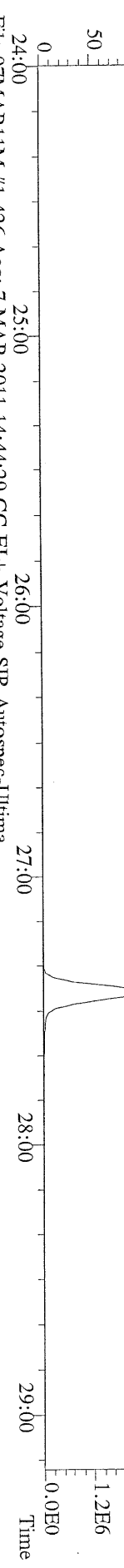
File:07MAR11M #1-347 Acq: 7-MAR-2011 11:58:32 GC EI+ Voltage SIR Autospec-Ultima  
 513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M3 File Text:Frontier Analytical Laboratory



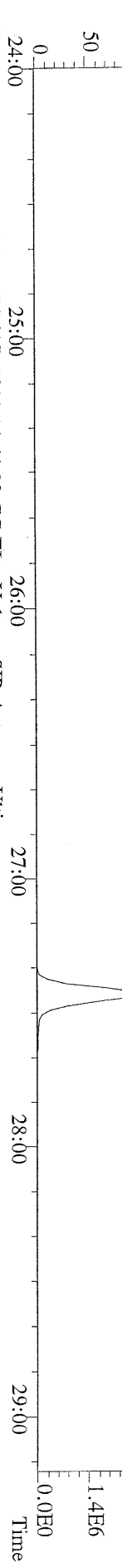
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



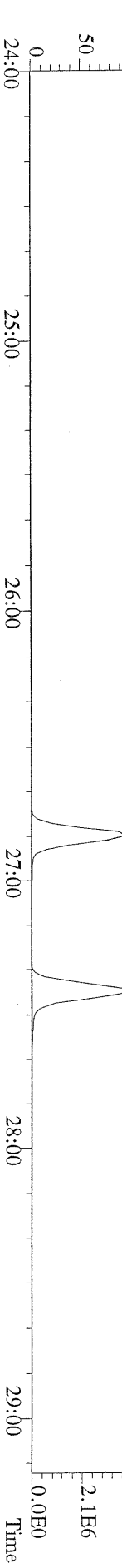
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



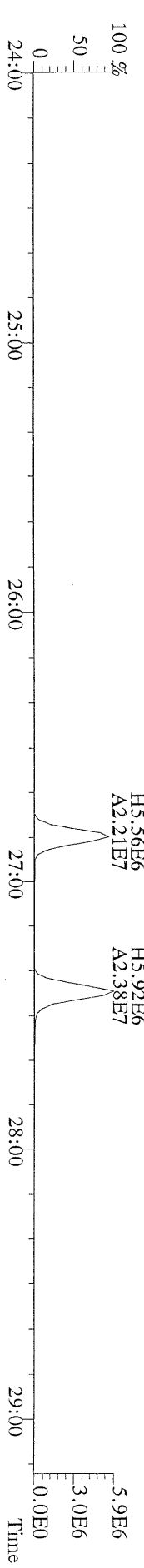
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



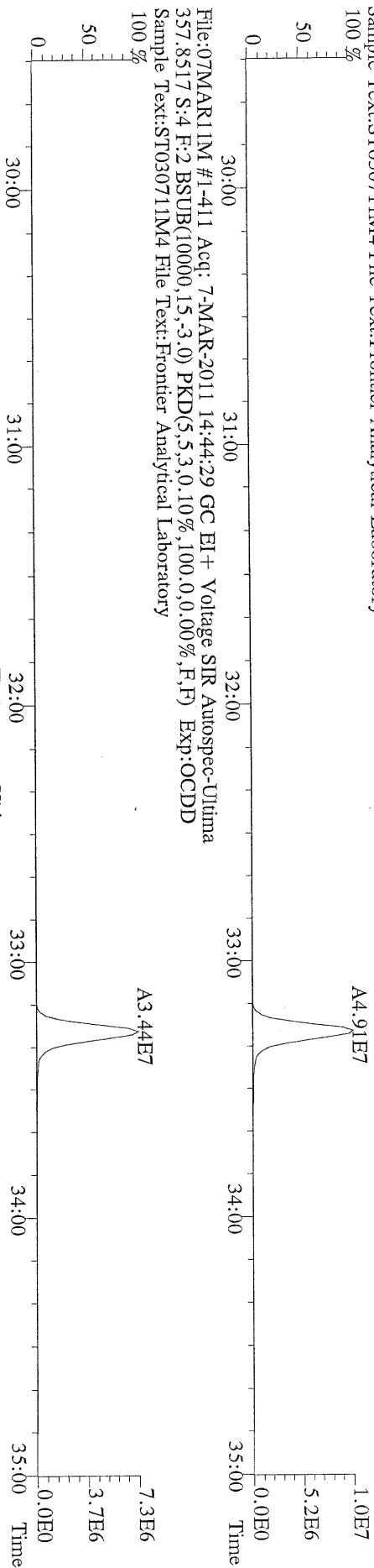
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



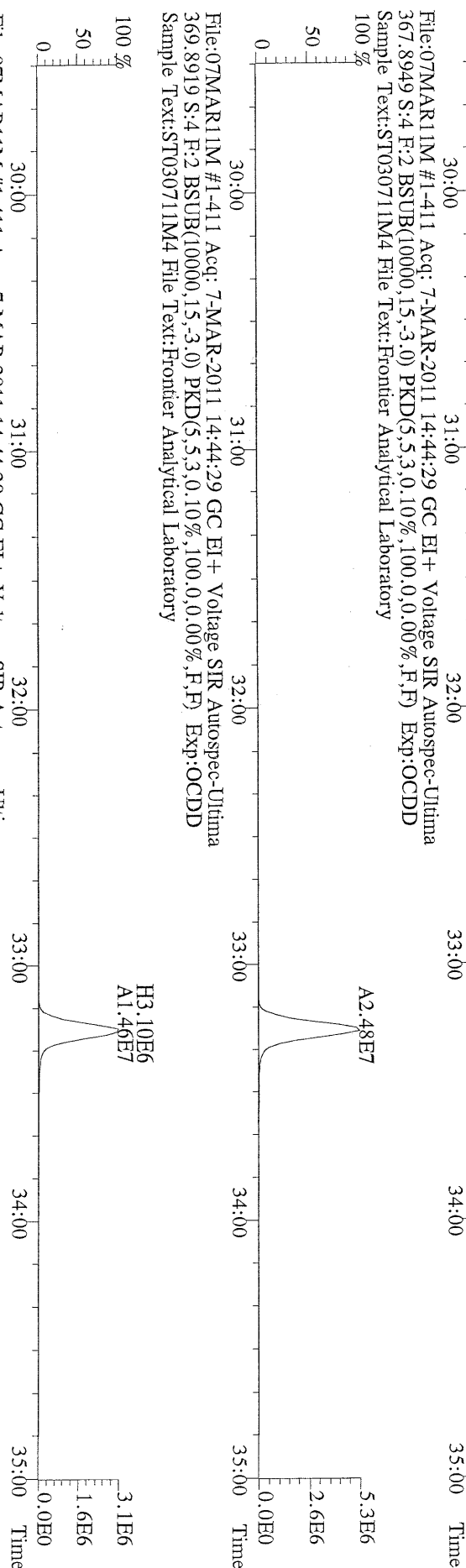
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



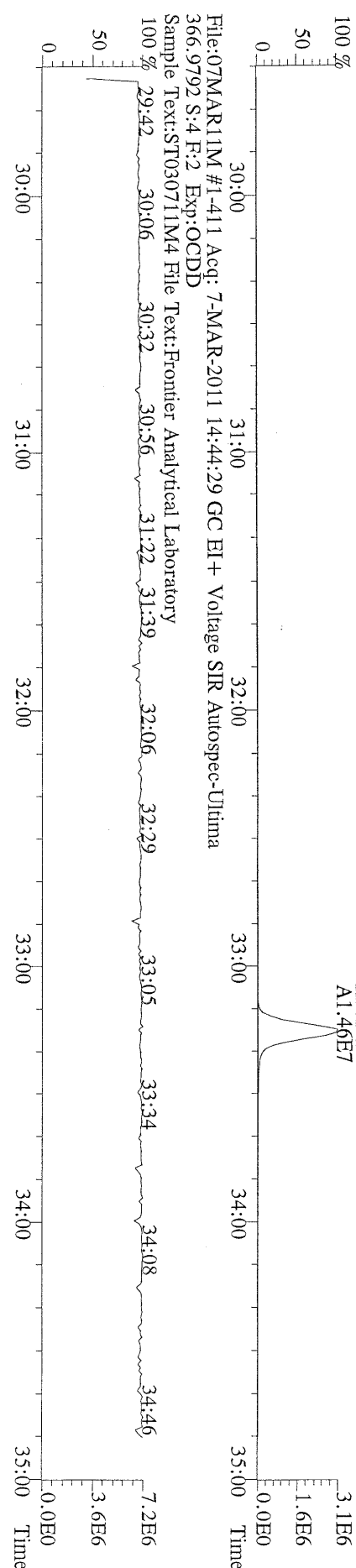
File:07MAR11M #1-411 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:4 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory  
100 %



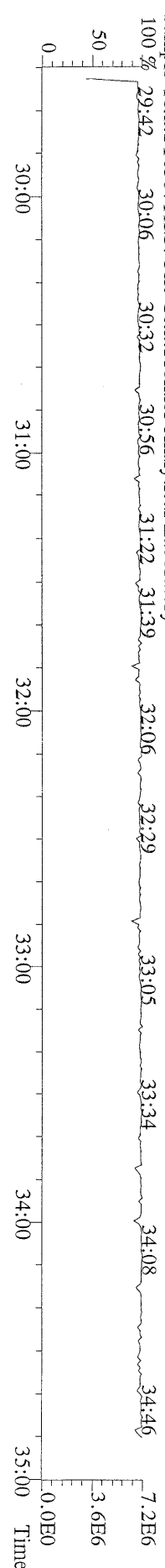
File:07MAR11M #1-411 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 S:4 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory  
100 %



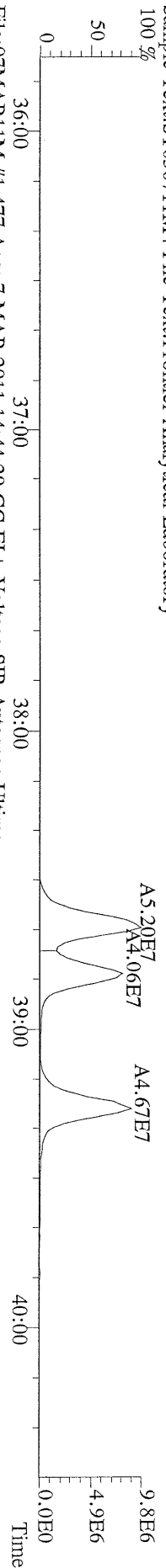
File:07MAR11M #1-411 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
369.8919 S:4 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



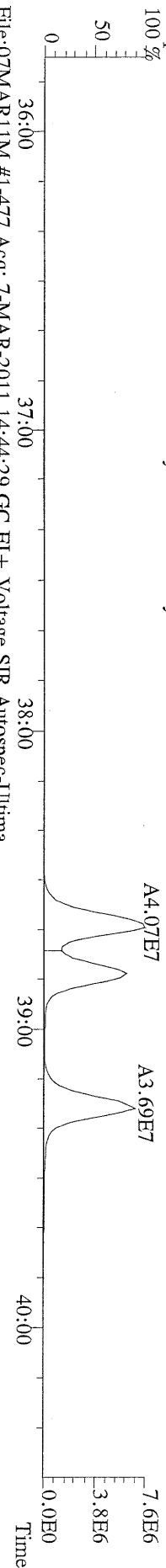
File:07MAR11M #1-411 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 S:4 F:2 Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



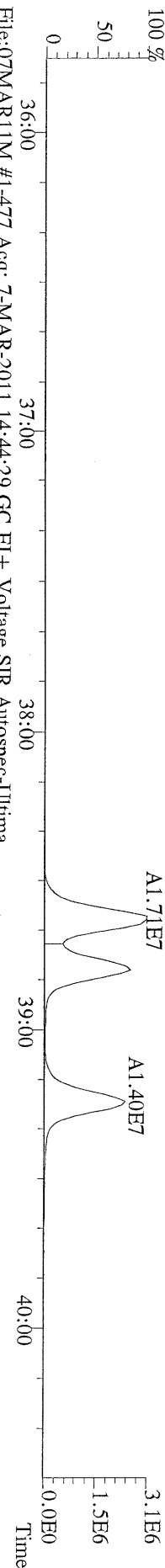
File:07MARI1M #1-477 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



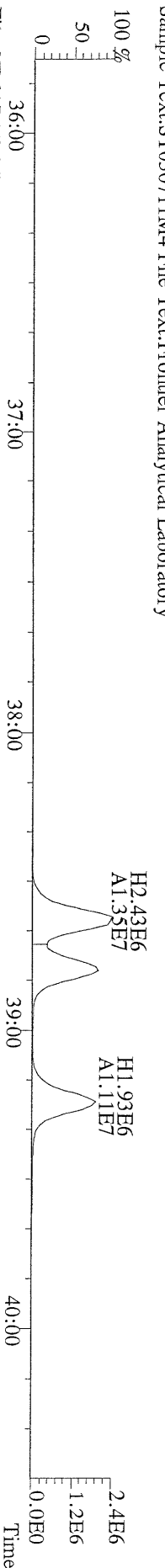
File:07MARI1M #1-477 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



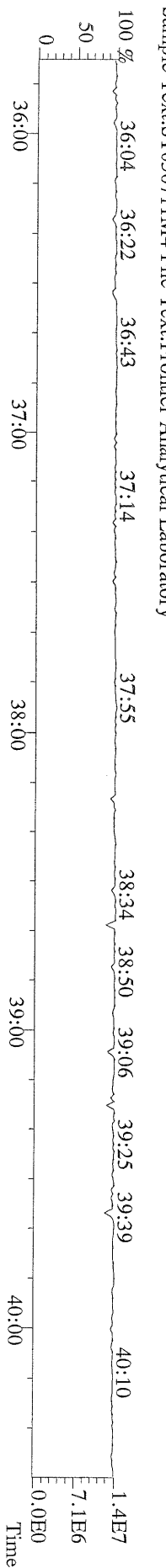
File:07MARI1M #1-477 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



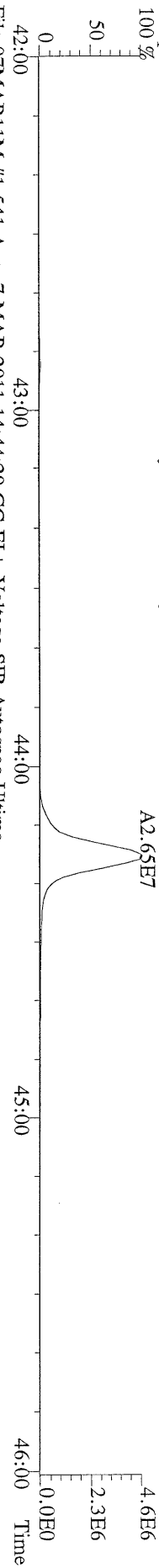
File:07MARI1M #1-477 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



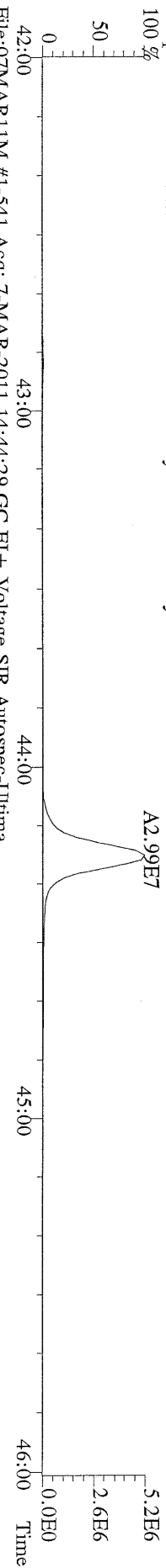
File:07MARI1M #1-477 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:4 F:3 Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



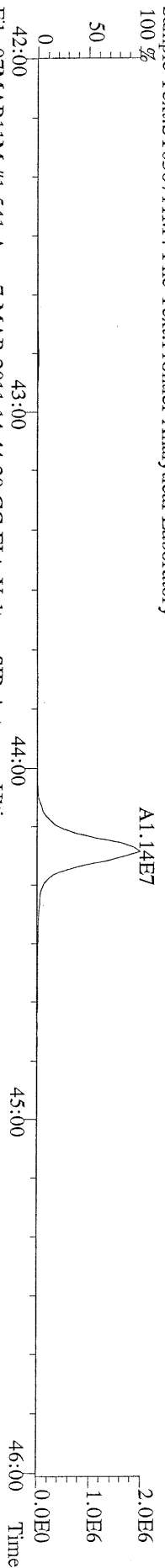
File:07MAR11M #1-541 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Utima  
 423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory  
 100 %



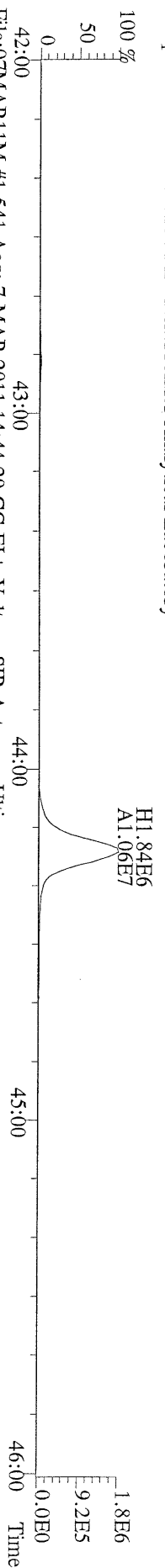
File:07MAR11M #1-541 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Utima  
 425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory  
 100 %



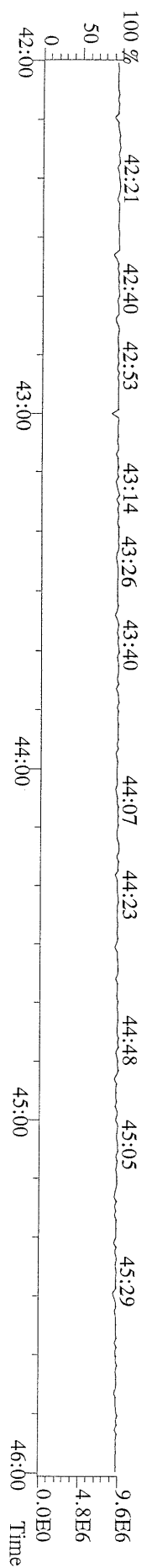
File:07MAR11M #1-541 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Utima  
 435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory  
 100 %



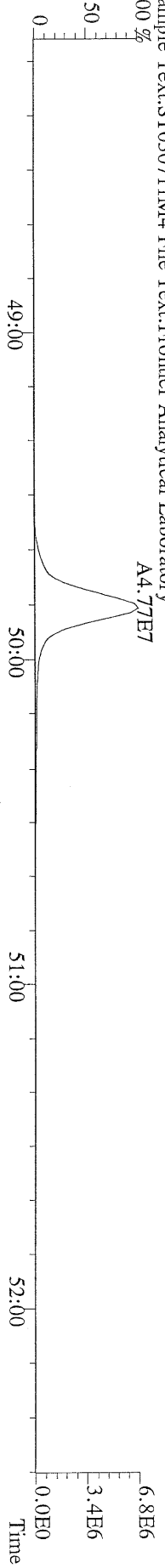
File:07MAR11M #1-541 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Utima  
 437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100,0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



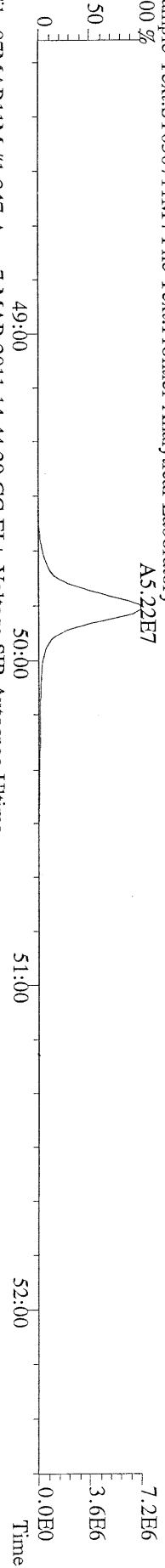
File:07MAR11M #1-541 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Utima  
 430.9728 S:4 F:4 Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



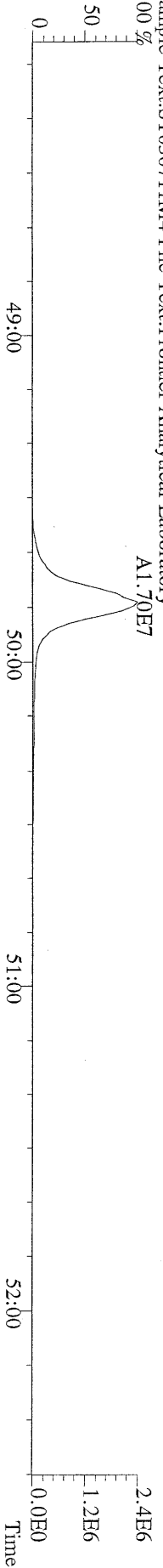
File:07MAR11M #1-347 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



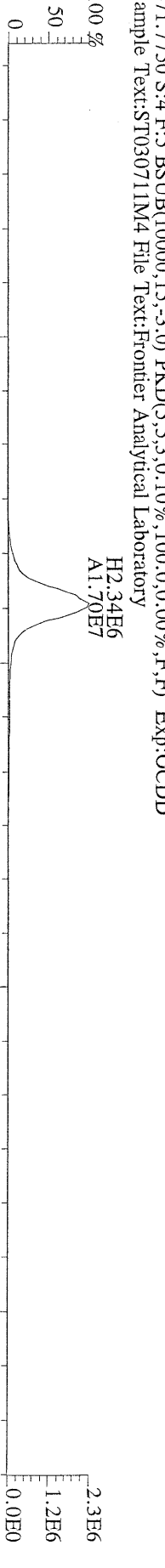
File:07MAR11M #1-347 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



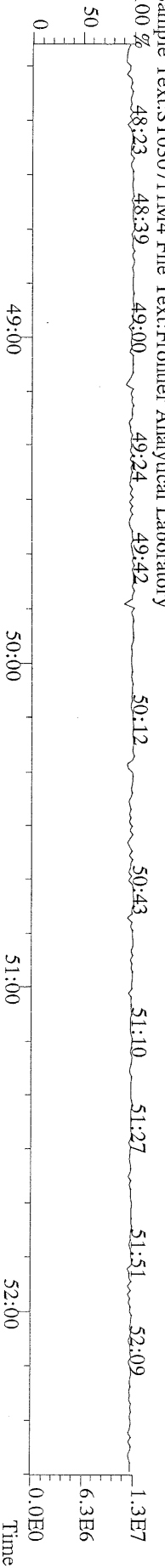
File:07MAR11M #1-347 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



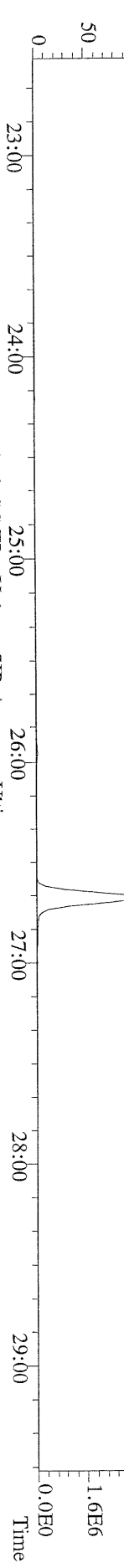
File:07MAR11M #1-347 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



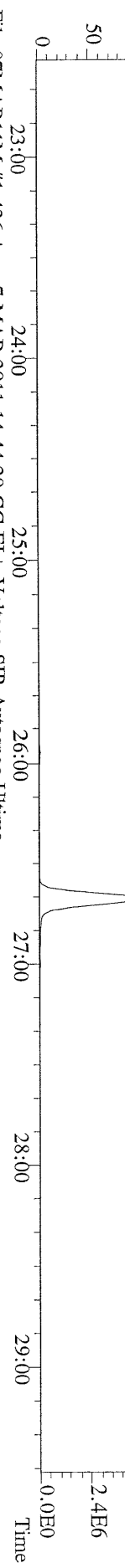
File:07MAR11M #1-347 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:4 F:5 Exp:OCDD  
Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



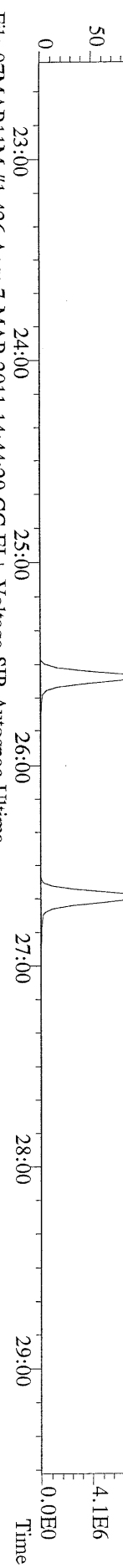
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



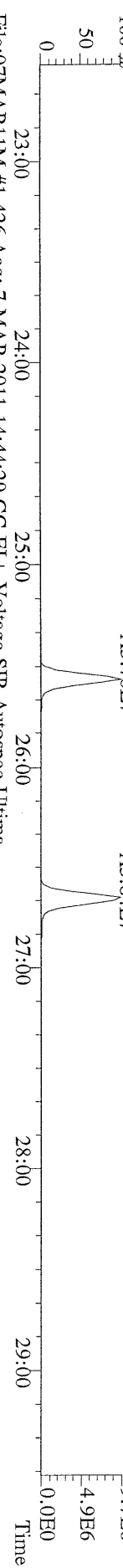
File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
 317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory



File:07MAR11M #1-426 Acq: 7-MAR-2011 14:44:29 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD  
 Sample Text:ST030711M4 File Text:Frontier Analytical Laboratory

