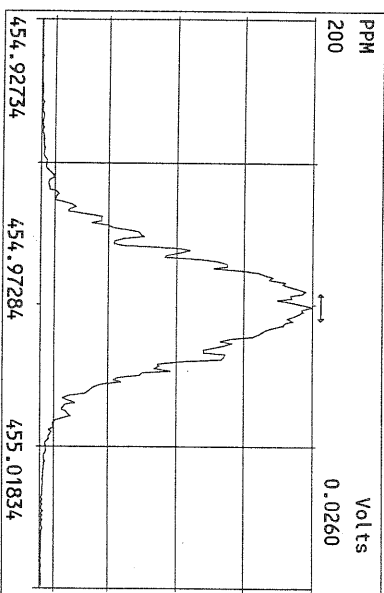
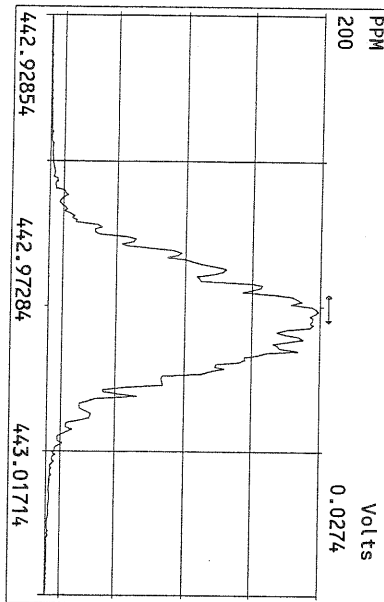
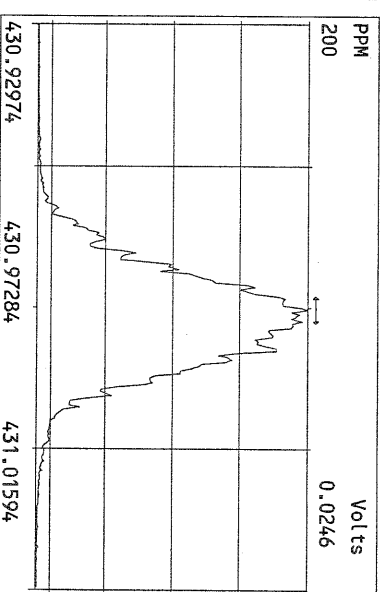
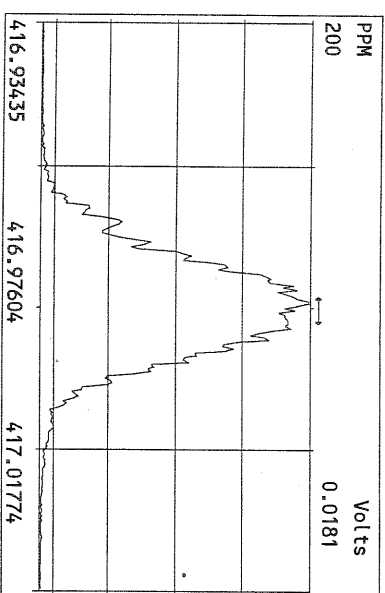
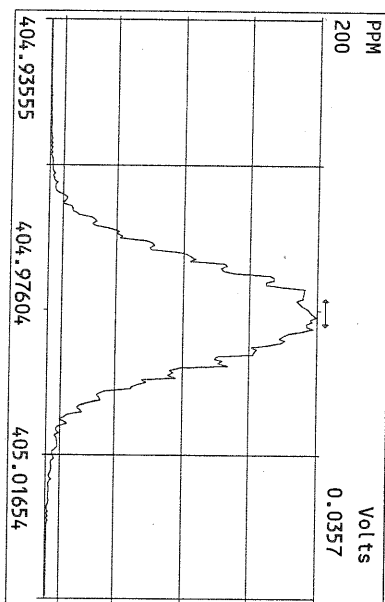
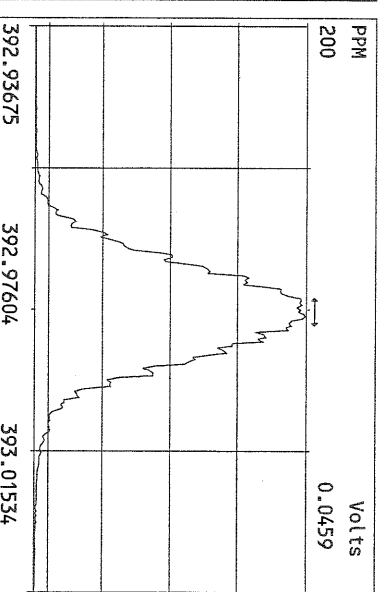
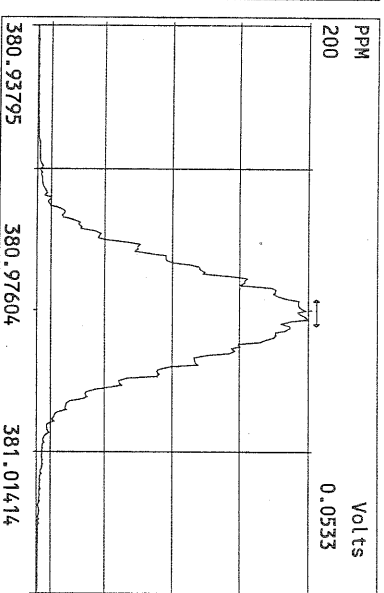
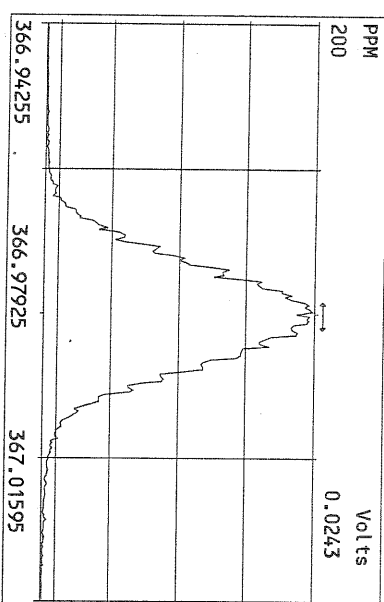
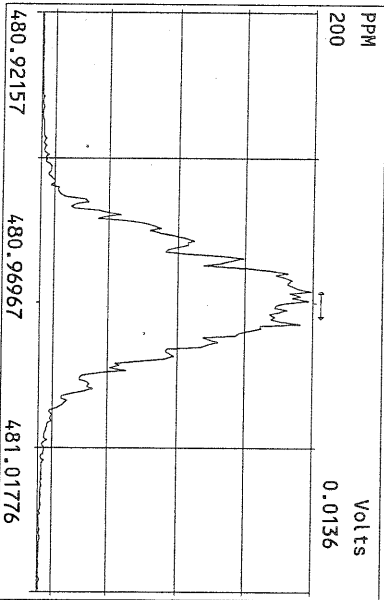
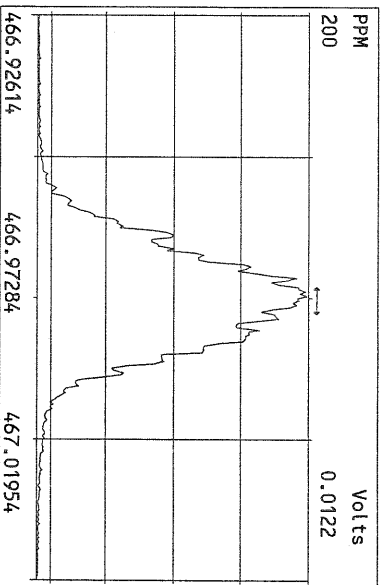
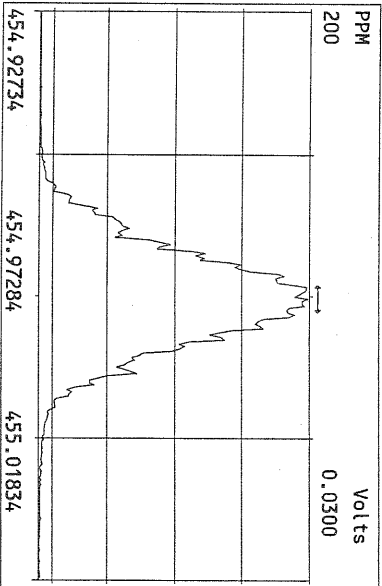
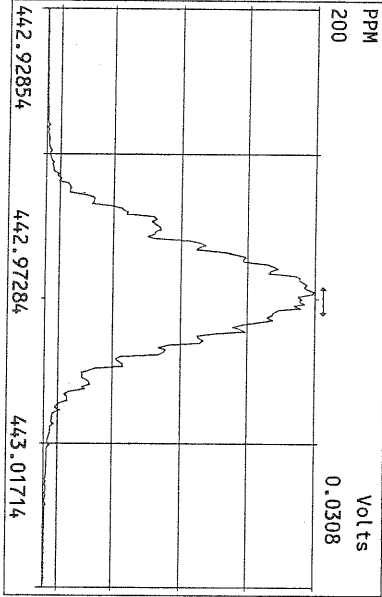
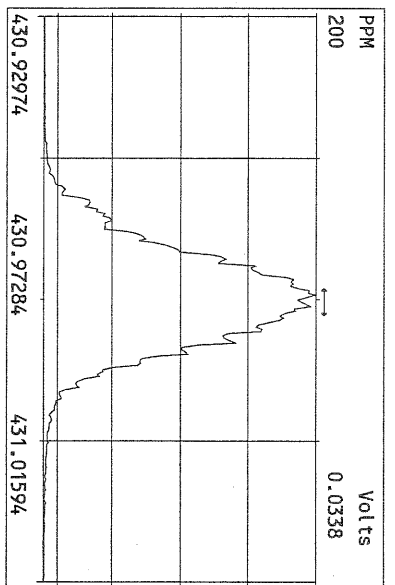
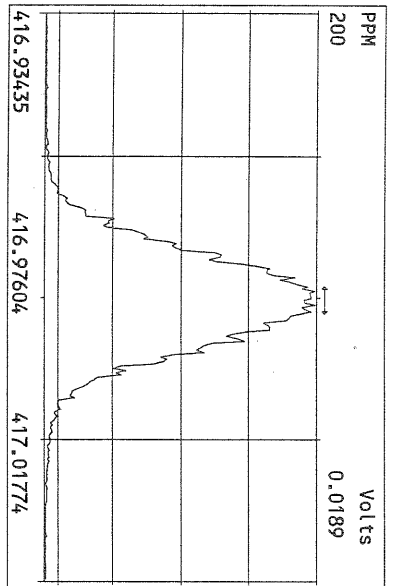
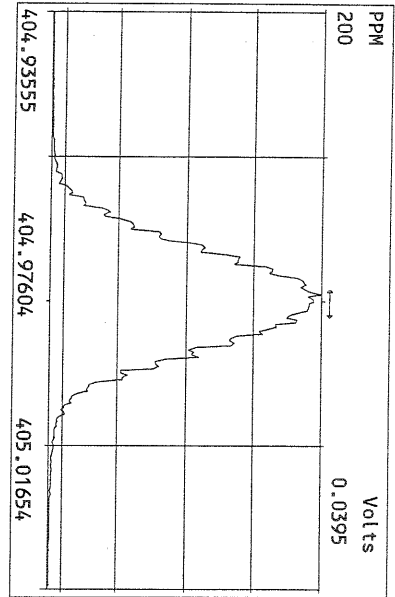
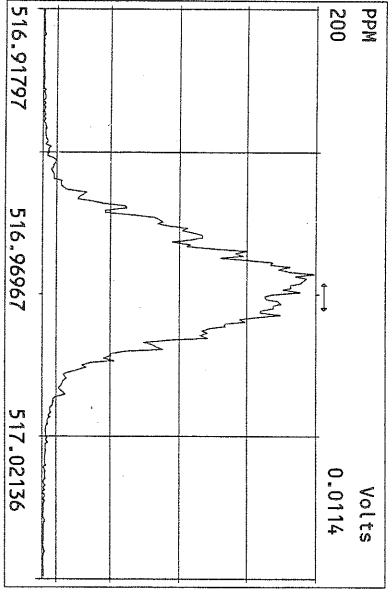
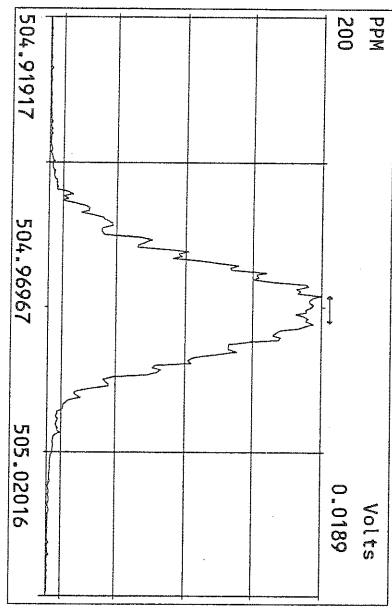
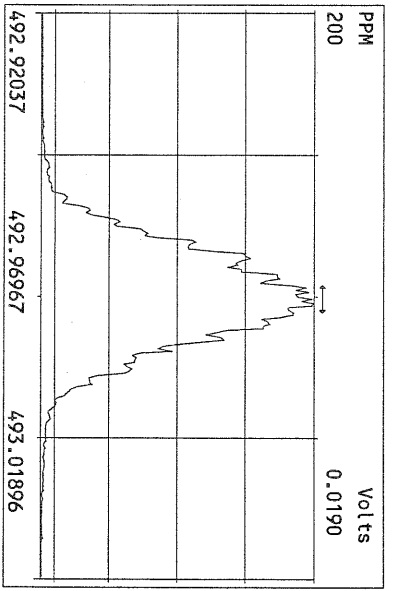
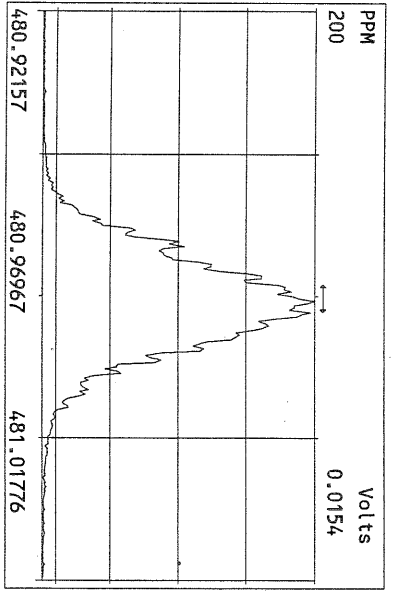
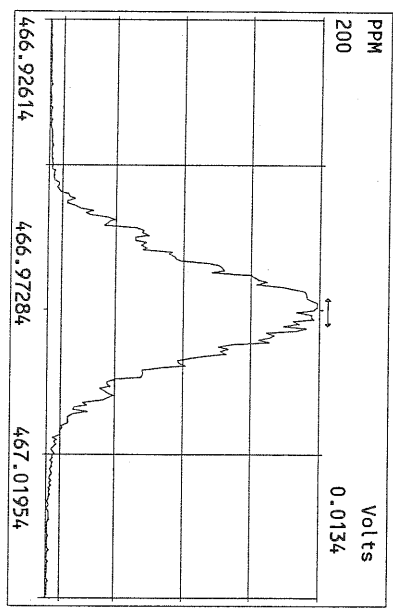
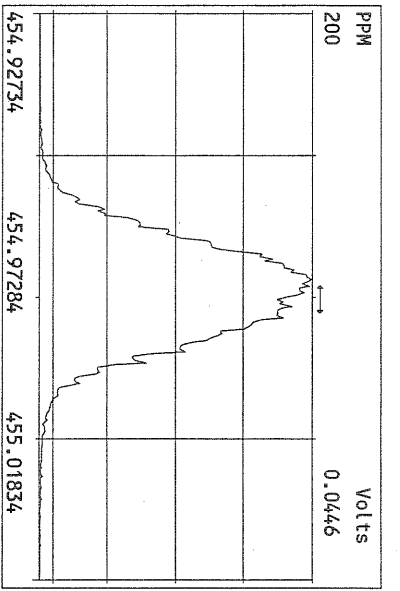
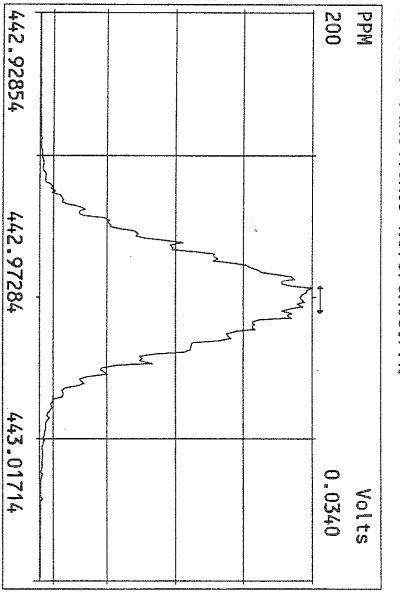
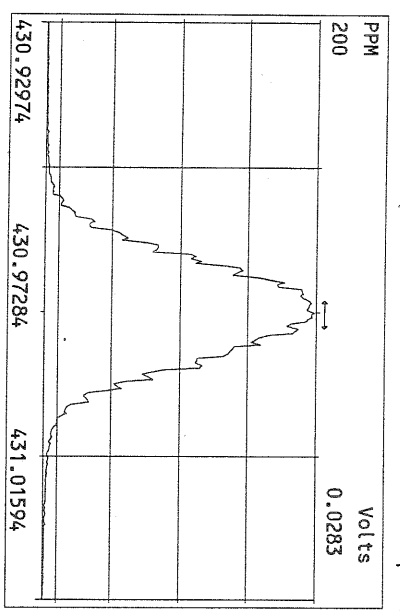


Peak Locate Examination: 5-OCT-2010-00:40 File:04OCT10W_RES_CHECK
Experiment:OCDD Function:3 Reference:PFK



Peak Locate Examination: 5-OCT-2010:00:42 File:04OCT10M_RES_CHECK
 Experiment:OCD Function:4 Reference:PFK





USEPA - ITD

FORM 4A
TCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 9/3/10

Instrument ID: FAL1

GC Column ID: DB225

VER Data Filename: 05OCT10A Sam:1

Analysis Date: 5-OCT-10 Time: 09:31:43

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
NATIVE ANALYTES						
2,3,7,8-TCDF	M/M+2	0.80	0.65-0.89	y	9.21	8.40 - 12.0 ✓
LABELED COMPOUNDS						
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65-0.89	y	99.8	71.0 - 140 ✓

(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 6A, Method 1613

Analyst: Date: 10/5/10

FAL ID: ST100510A1 Filename: 05OCT10A Sam:1 Acquired: 5-OCT-10 09:31:43 ICal: tcdffal1-9-3-10
Client ID: 1613 CS3 100511J ConCal: ST100510A1 EndCal: ST100510A2
Results: 6364TCDF GC Column: DB225 Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom	Rec
2,3,7,8-TCDF	1.71e+07	0.80 y	19:46	1.10	9.21		2.50	-	-	1	
13C-2,3,7,8-TCDF	1.69e+08	0.78 y	19:46	1.06	99.8						99.8
13C-1,2,3,4-TCDF	1.60e+08	0.79 y	17:10	-	112						

Analyst:  Date: 10/5/10

Frontier Analytical Laboratory - Acquisition Log


Run Name:05OCT10A

Instrument: FAL1

GC: DB225

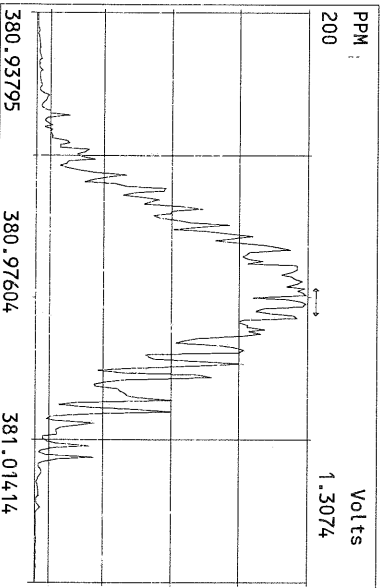
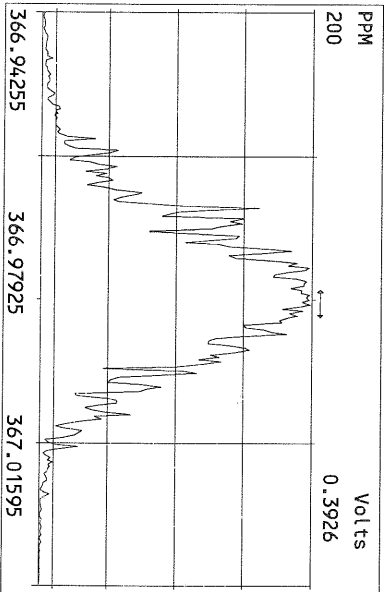
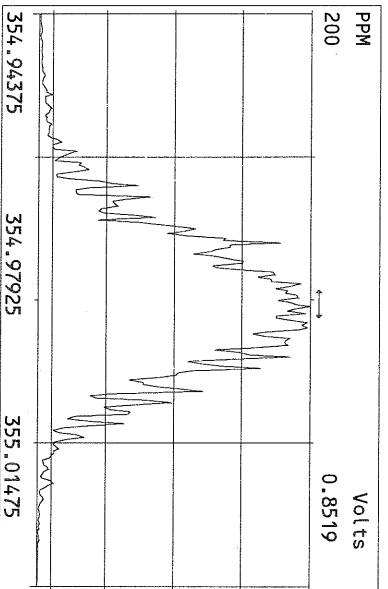
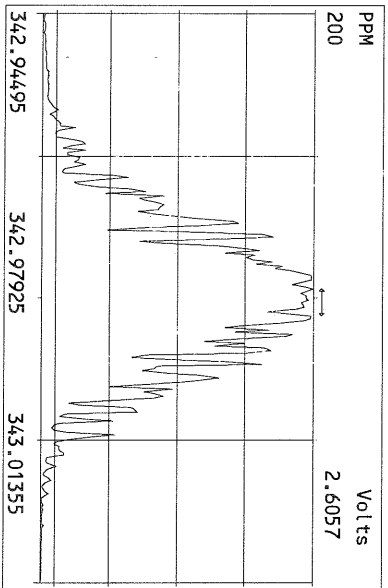
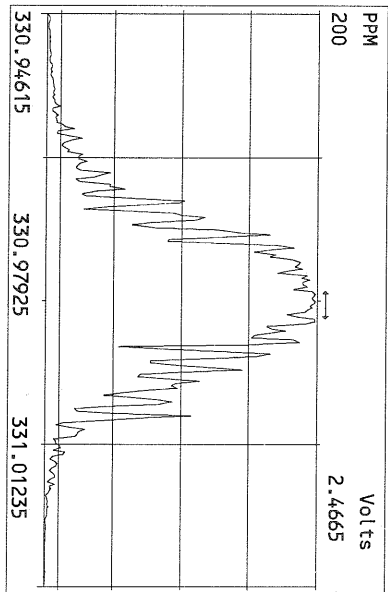
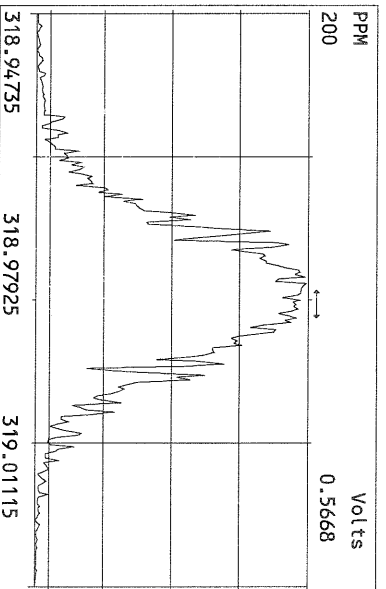
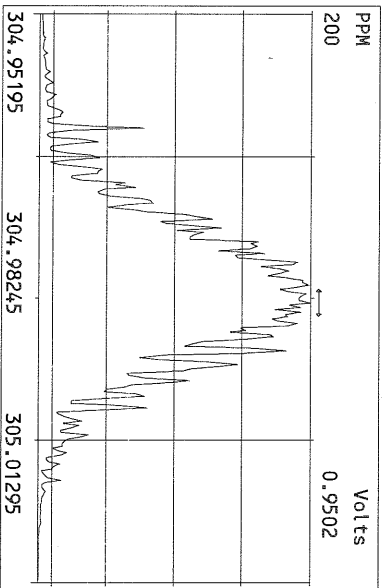
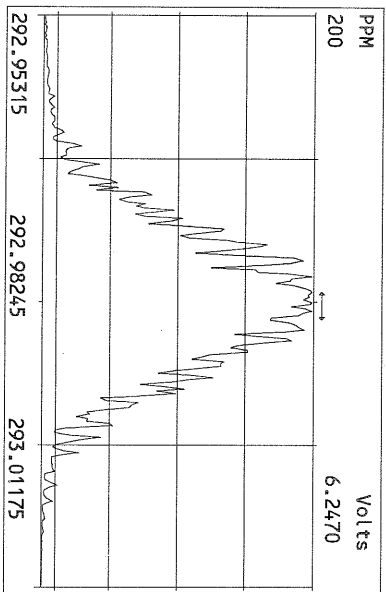
Experiment:TCDF

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
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05OCT10A	2	6364-010-0001-SA	PSB11-4-6-073010	5-OCT-10 10:06:46	ST100510A1	ST100510A2	TC
05OCT10A	3	6364-011-0001-SA	PSB11-7.5-9.5-073010	5-OCT-10 10:41:51	ST100510A1	ST100510A2	TC
05OCT10A	4	SB100510A1	Solvent Blank	5-OCT-10 11:16:54	ST100510A1	ST100510A2	TC
05OCT10A	5	ST100510A2	1613 CS3 100511J	5-OCT-10 11:58:00	ST100510A1	ST100510A2	TC

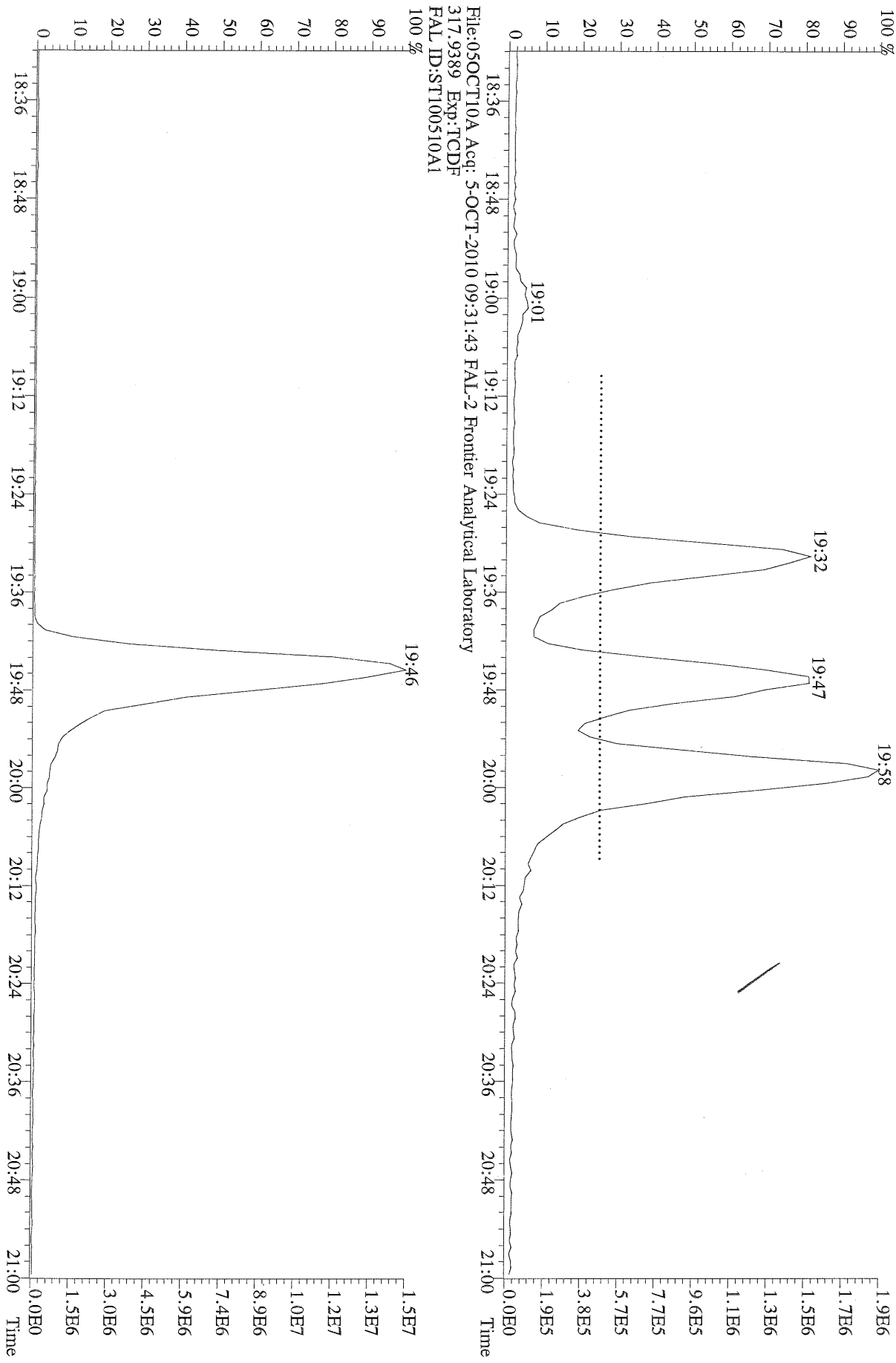
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Data Backed Up: _____

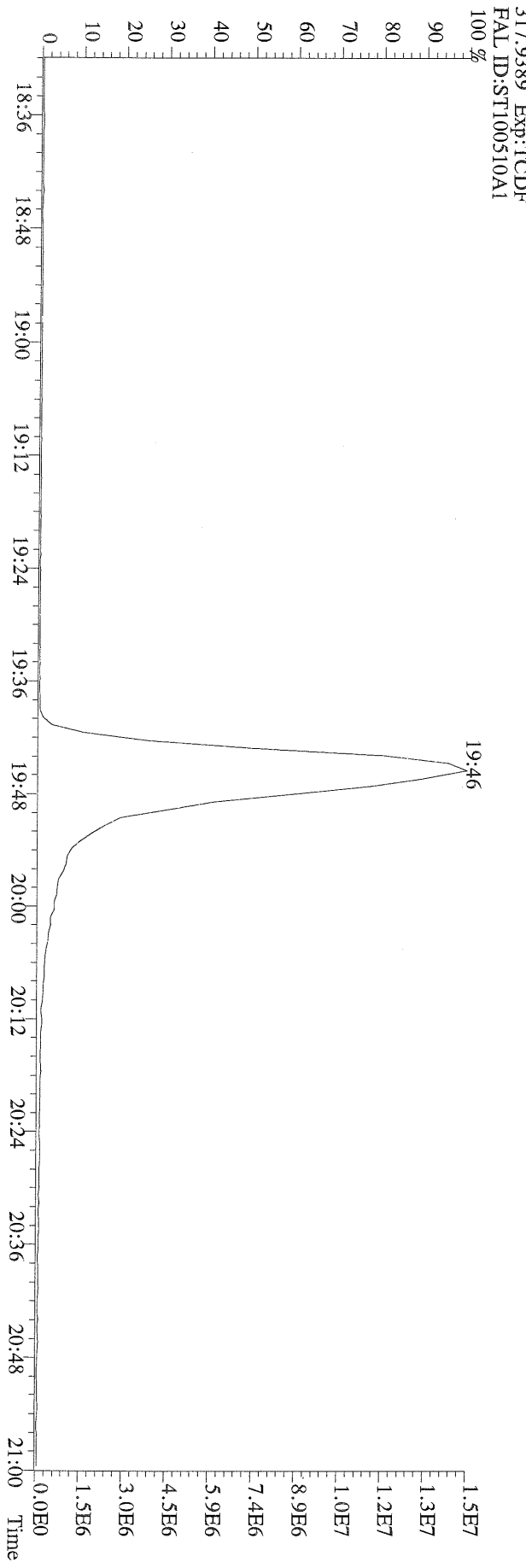
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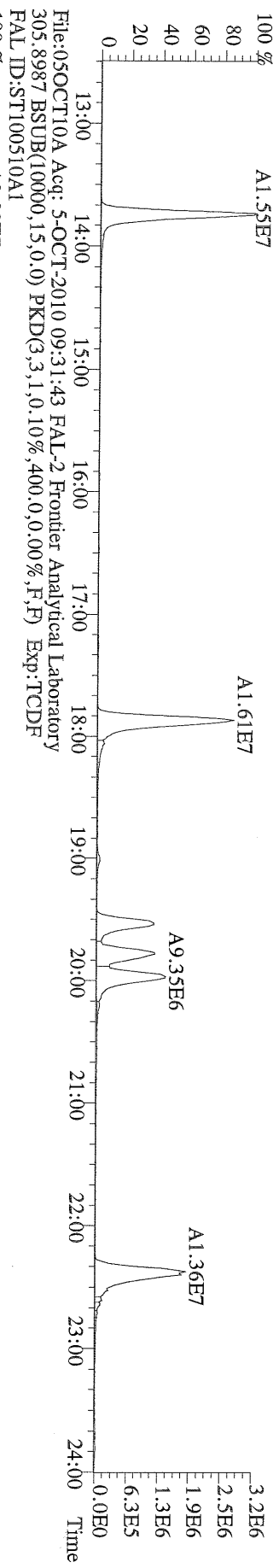
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305.8987 Exp:TCDF
FAL ID:ST100510A1
100 %



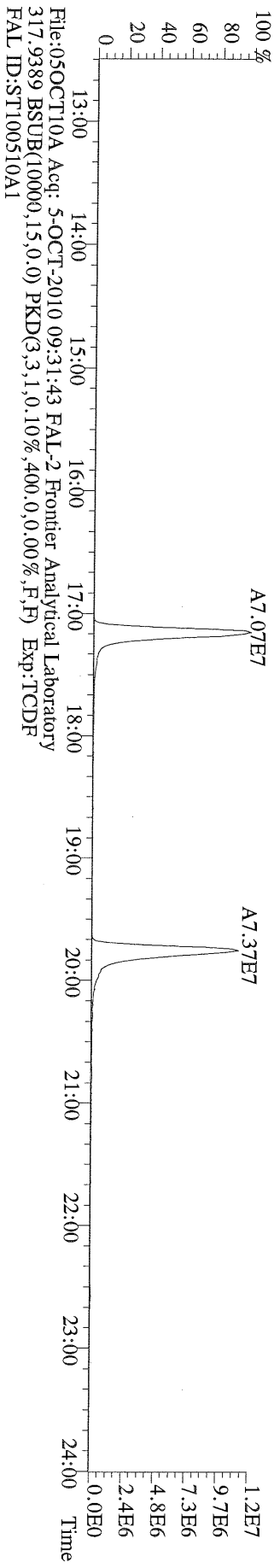
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317.9389 Exp:TCDF
FAL ID:ST100510A1
100 %



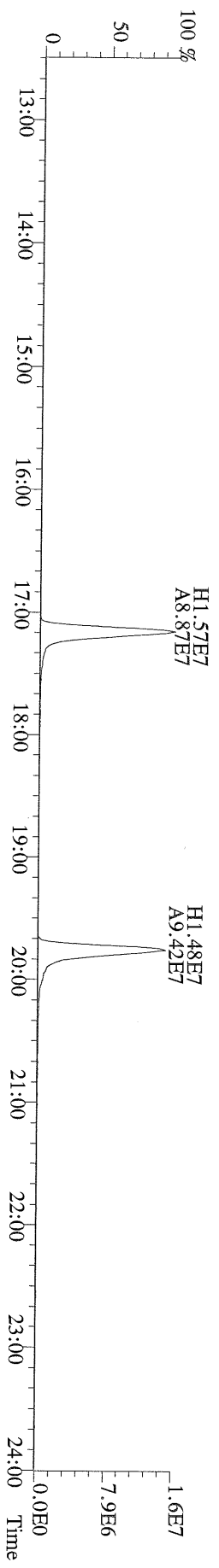
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FAL ID:ST100510A1

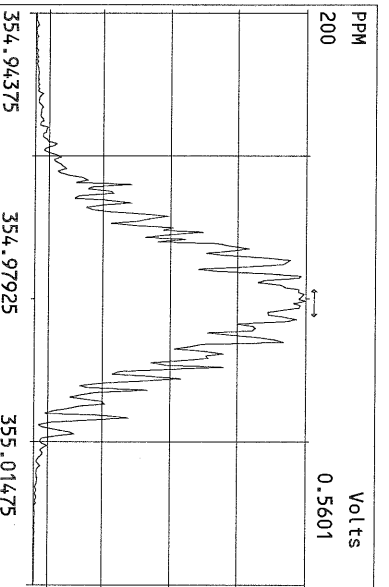
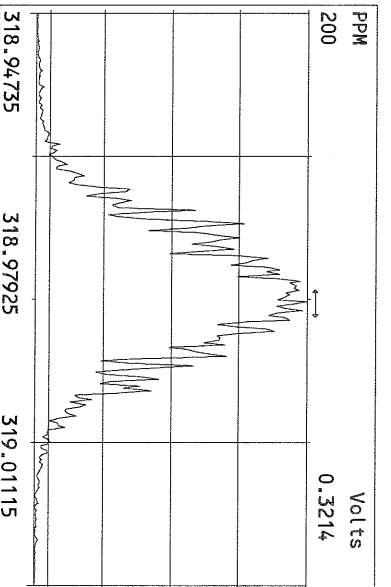
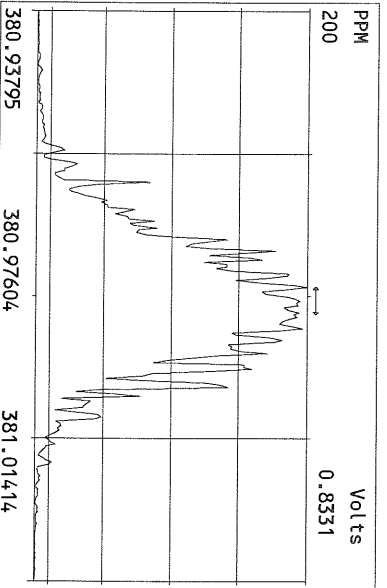
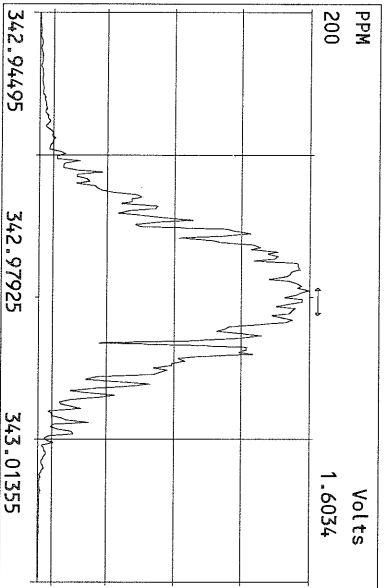
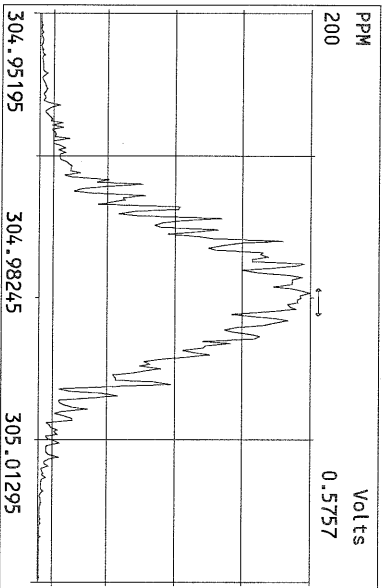
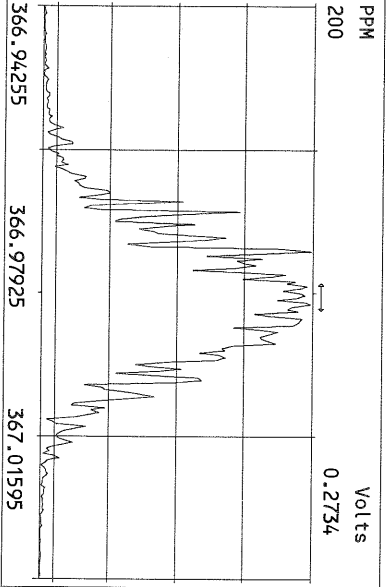
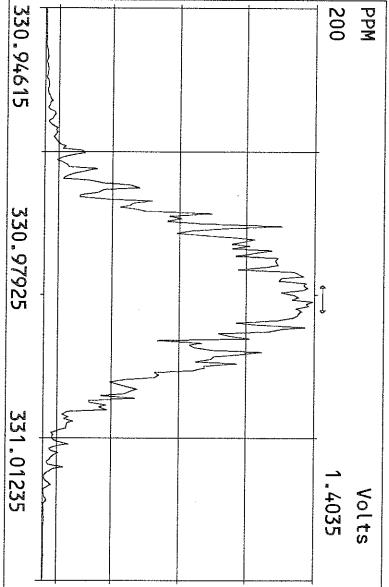
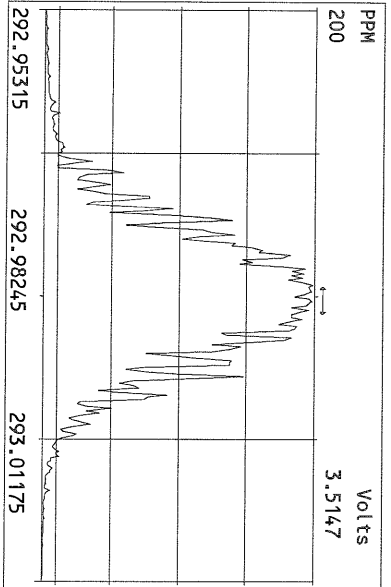


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FAL ID:ST100510A1



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FAL ID:ST100510A1





USEPA - ITD

FORM 4A
TCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 9/3/10

Instrument ID: FAL1 GC Column ID: DB225

VER Data Filename: 05OCT10A Sam:5 Analysis Date: 5-OCT-10 Time: 11:58:00

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
NATIVE ANALYTES						
2,3,7,8-TCDF	M/M+2	0.82	0.65-0.89	y	9.44	8.40 - 12.0 ✓
LABELED COMPOUNDS						
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65-0.89	y	93.0	71.0 - 140 ✓

(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 6A, Method 1613

Analyst: 

Date: 10/5/10

FAL ID: ST100510A2 Filename: 05OCT10A Sam:5 Acquired: 5-OCT-10 11:58:00 ICal: tcdffa11-9-3-10
Client ID: 1613 CS3 100511J ConCal: ST100510A1 EndCal: ST100510A2
Results: 6364TCDF GC Column: DB225 Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom	Rec
2,3,7,8-TCDF	2.37e+07	0.82 y	19:46	1.10	9.44		2.50	-	-	1	
13C-2,3,7,8-TCDF	2.29e+08	0.79 y	19:45	1.06	93.0						93.0
13C-1,2,3,4-TCDF	2.33e+08	0.78 y	17:08	-	163						

Analyst: 

Date: 10/5/10

Frontier Analytical Laboratory - Acquisition Log


Run Name:05OCT10A

Instrument: FAL1

GC: DB225

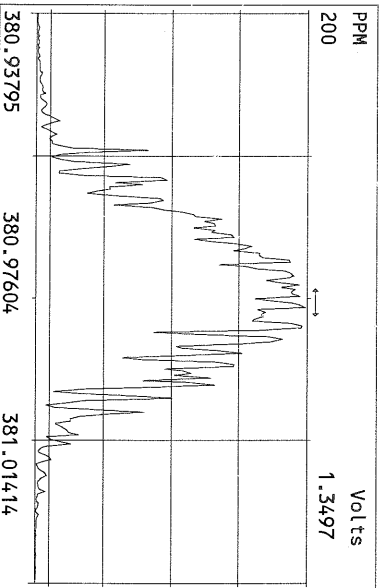
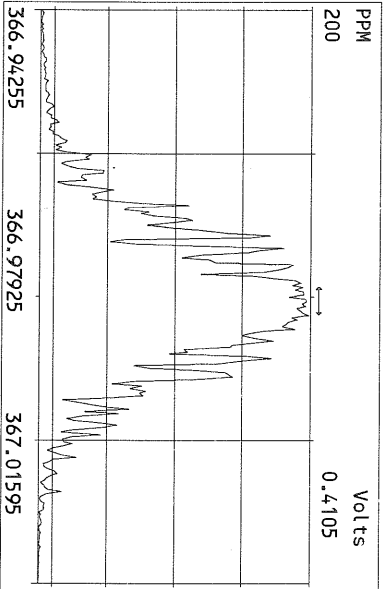
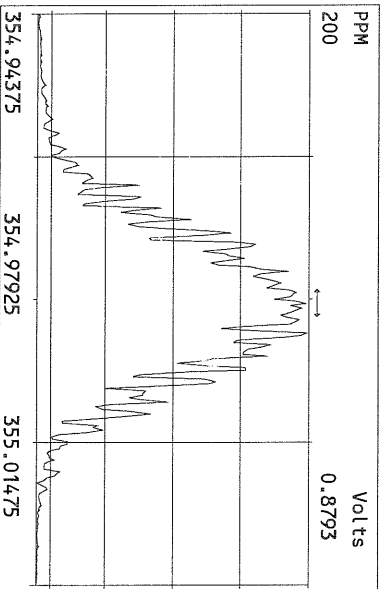
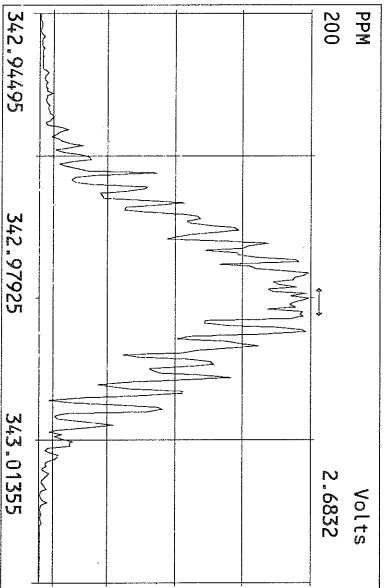
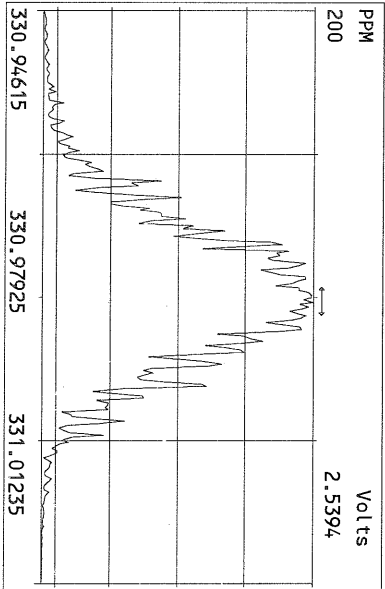
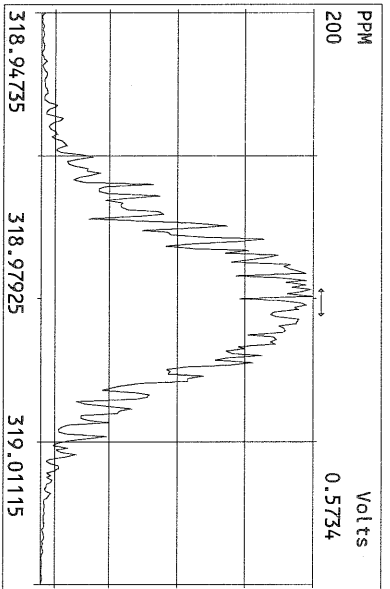
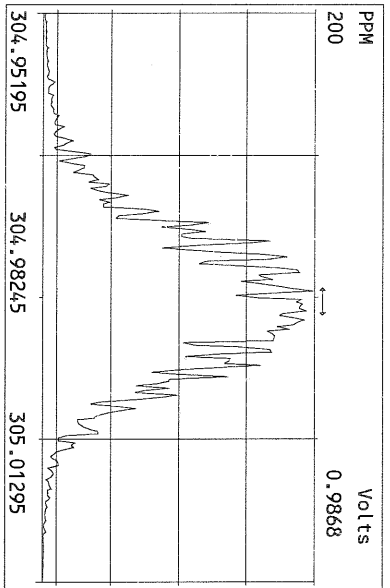
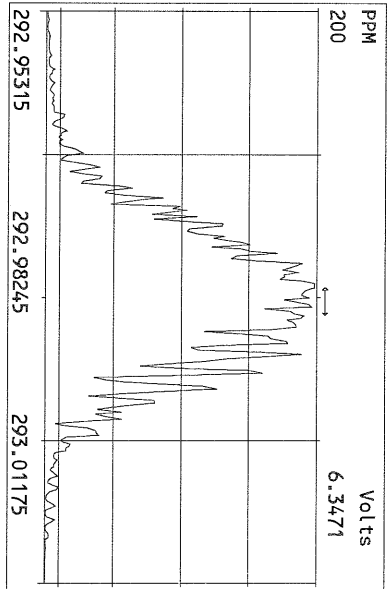
Experiment:TCDF

Data File S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
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05OCT10A 2	6364-010-0001-SA	PSB11-4-6-073010	5-OCT-10 10:06:46	ST100510A1	ST100510A2	TC
05OCT10A 3	6364-011-0001-SA	PSB11-7.5-9.5-073010	5-OCT-10 10:41:51	ST100510A1	ST100510A2	TC
05OCT10A 4	SB100510A1	Solvent Blank	5-OCT-10 11:16:54	ST100510A1	ST100510A2	TC
05OCT10A 5	ST100510A2	1613 CS3 100511J	5-OCT-10 11:58:00	ST100510A1	ST100510A2	TC

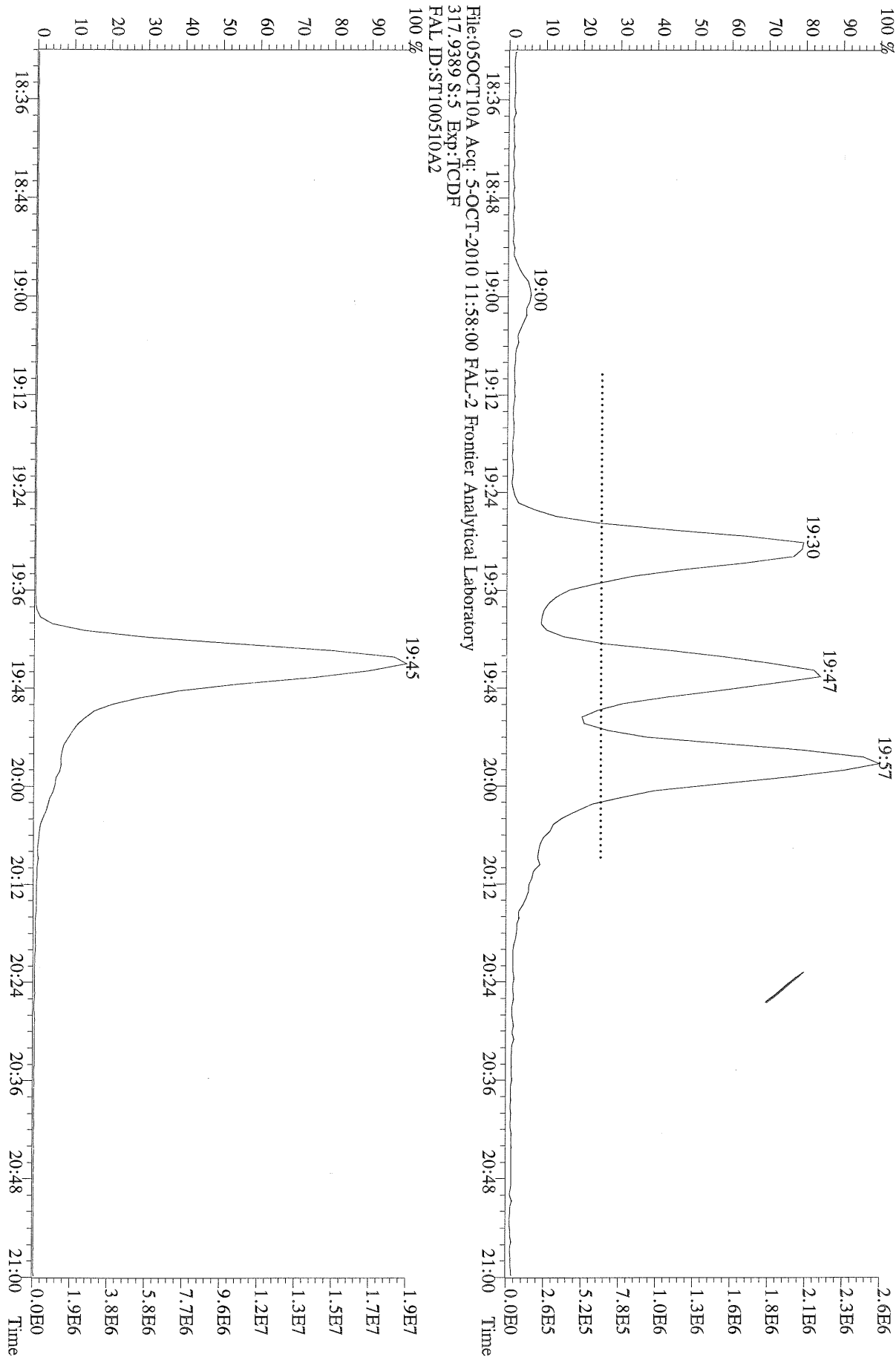
 10/5/10

Data Backed Up: _____

Date: _____

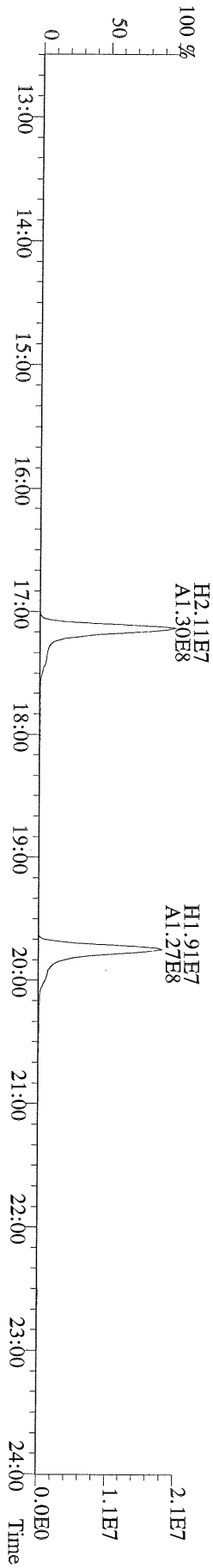
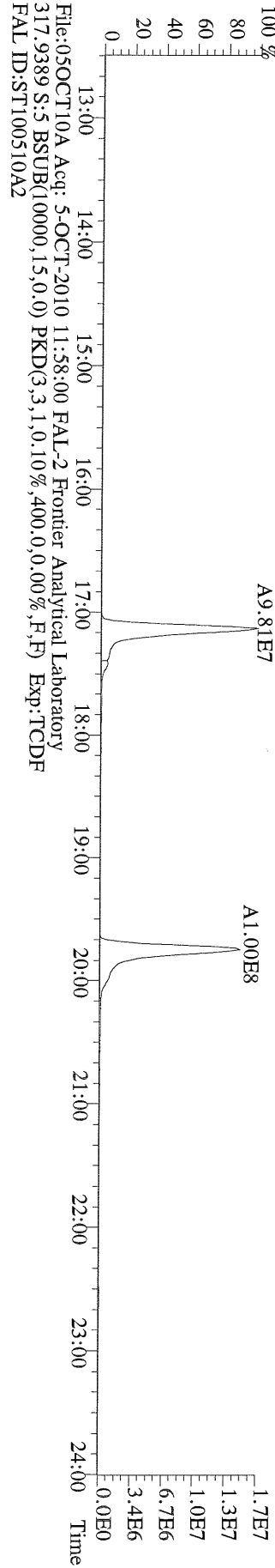
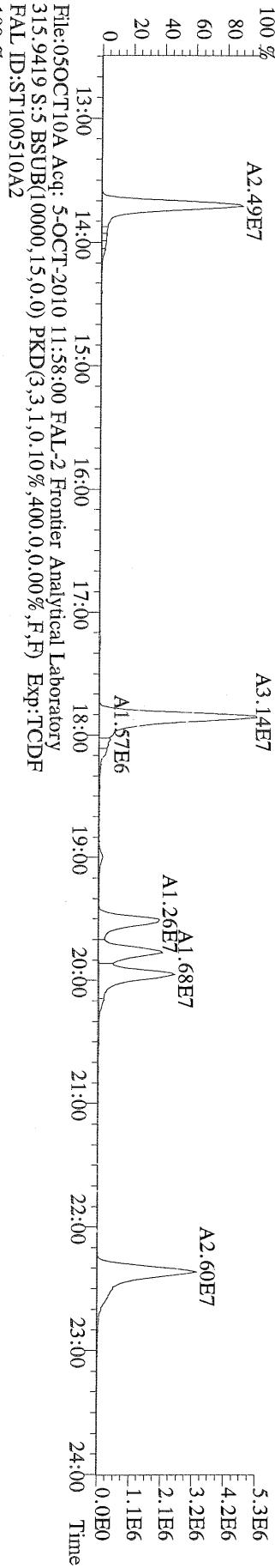
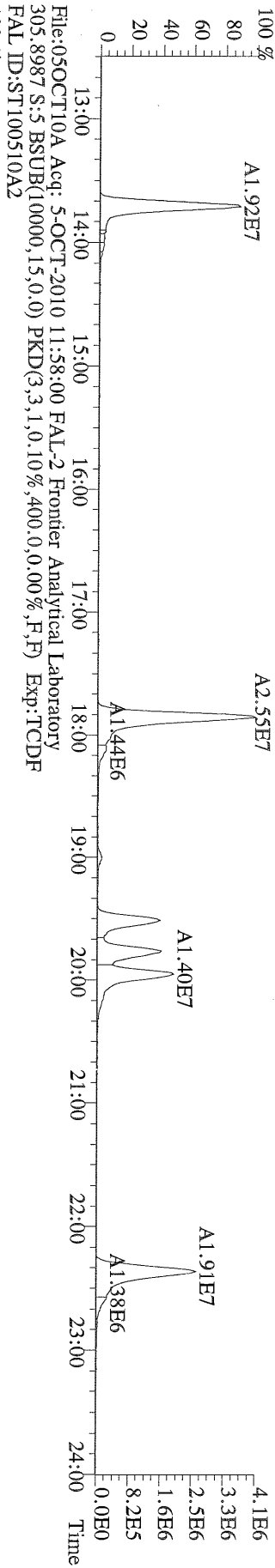


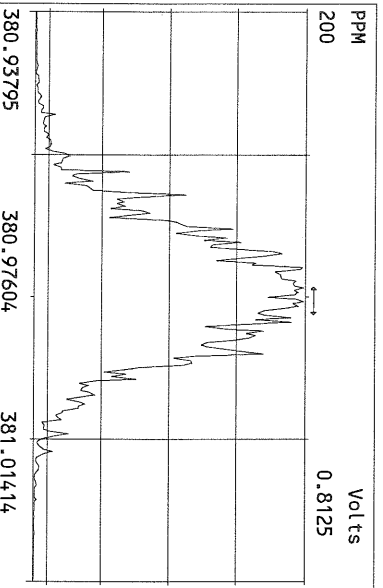
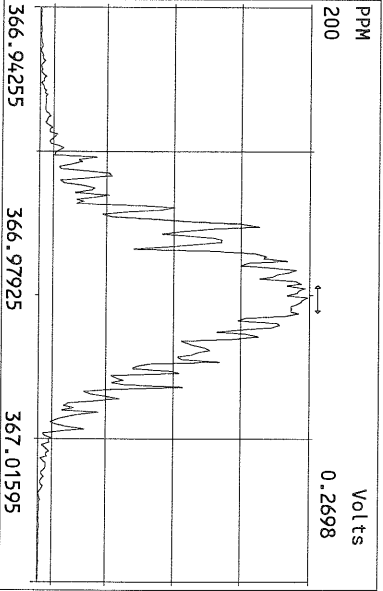
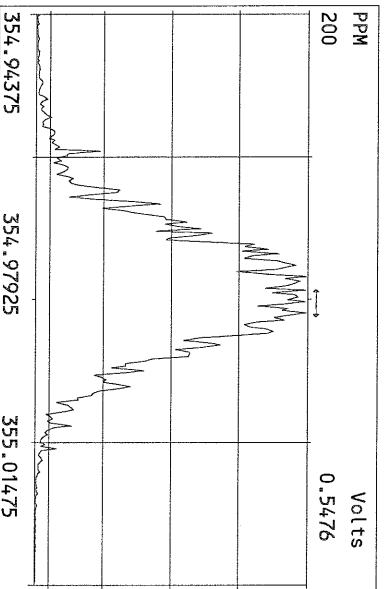
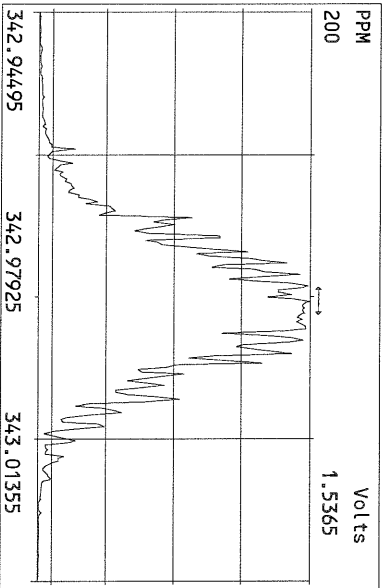
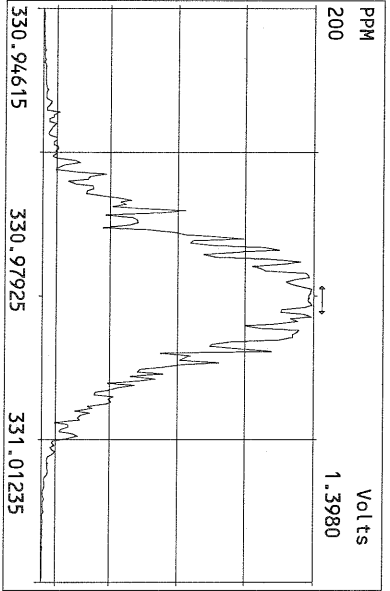
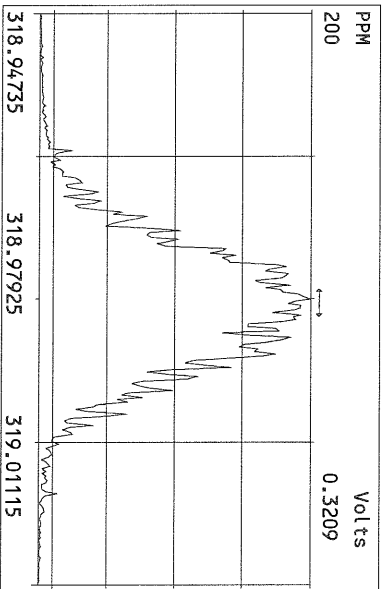
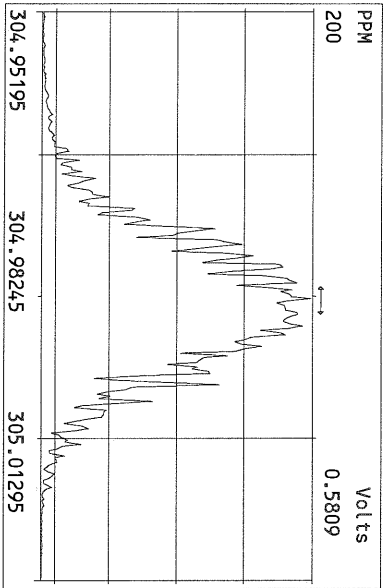
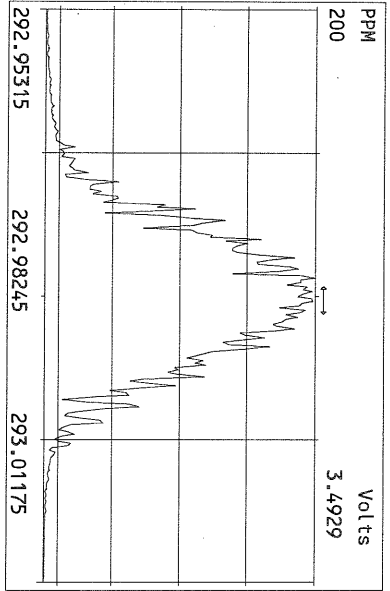
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FAL ID:ST100510A2



File:05OCT10A Acq: 5-OCT-2010 11:58:00 FAL-2 Frontier Analytical Laboratory
317.9389 S:5 Exp:TCDF
FAL ID:ST100510A2

File:05OCT10A Acq: 5-OCT-2010 11:58:00 FAL-2 Frontier Analytical Laboratory
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FAL ID:ST100510A2





November 15, 2010

Ms. Sue Dunnihoo
Analytical Resources Incorporated
4611 South 134th Place
Tukwila, WA 98168-3240

Dear Ms. Dunnihoo,

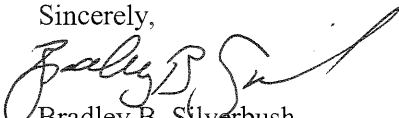
Enclosed are the results for Frontier Analytical Laboratory project **6418**. This corresponds to your **Lora Lakes Apartments RI** project under ARI project number **RT37**. Twelve soil samples were received on 10/27/2010 in good condition. These samples were extracted and analyzed by EPA Method 1613 for tetra through octa chlorinated dibenzo dioxins and furans. The 2005 World Health Organizations toxic equivalency factors (TEFs) were used to calculate the toxic equivalents (TEQ) on your report. Analytical Resources Incorporated requested a Level IV data package and a turnaround time of fifteen business days for project **6418**.

Please note that due to high analyte levels, the extracts from samples 6418-002-SA, 6418-003-SA, 6418-008-SA and 6418-009-SA (ARI Sample IDs: PSB11-11-13-073010, PSB11-14-16-073010, PSB27-0-0.5-082610 and PSB27-1.5-2-082610 respectively) were diluted and reanalyzed. The results taken from the analysis of the diluted extracts have been identified with a "*" qualifier on their corresponding data sheets.

The following Level IV report consists of an Analytical Data section, a Sample Receipt section, a Laboratory Raw Data section, and an Instrument Raw Data section. The Analytical Data section contains our project-sample tracking log and the analytical results. The Sample Receipt section contains your chain of custodies, our sample login form and the sample photo. The Laboratory Raw Data section contains our project request sheet, a percent solids sheet, an extraction bench sheet and the cleanup bench sheet. The instrument raw data section contains three sub-sections; the sample results section, the initial calibration section and the continuing/ending calibration section. The sample results sub-section consists of the quantitation summary forms with chromatograms for all samples and QC. The initial calibration sub-section consists of the individual quantitation summary forms and chromatograms for each point of the initial calibration curve as well as an overall quantitation summary form of the initial calibration curve. The continuing/ending calibration sub-section consists of the quantitation summary forms and chromatograms for all beginning and ending calibration injections associated with the samples and QC. You also requested Electronic Data Deliverables (EDD) for this project. The EDD and Level I summary have been sent to you via email. The Level IV report has been sent to you on compact disk. A hardcopy of the data package will not be forwarded unless specifically requested. The attached results are specifically for the samples referenced in this report only. These results meet all NELAC requirements and shall not be reproduced except in full.

If you have any questions regarding project **6418**, please feel free to contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,



Bradley B. Silverbush
Director of Operations

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: 6418

Received on: 10/27/2010

Project Due: 11/18/2010 Storage: R1

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
6418-001-SA	0	RT37	PSB10-14-15-073010	EPA 1613 D/F	Soil	07/30/2010	02:20 pm	08/01/2011
6418-002-SA	0	RT37	PSB11-11-13-073010	EPA 1613 D/F	Soil	07/30/2010	09:38 am	08/01/2011
6418-003-SA	0	RT37	PSB11-14-16-073010	EPA 1613 D/F	Soil	07/30/2010	09:45 am	08/01/2011
6418-004-SA	0	RT37	PSB12-8-10-072810	EPA 1613 D/F	Soil	07/28/2010	04:15 pm	07/28/2011
6418-005-SA	0	RT37	PSB13-11-13-072910	EPA 1613 D/F	Soil	07/29/2010	02:15 pm	07/29/2011
6418-006-SA	0	RT37	PSB14-12-14-072810	EPA 1613 D/F	Soil	07/28/2010	02:16 pm	07/28/2011
6418-007-SA	0	RT37	PSB21-4-6-082510	EPA 1613 D/F	Soil	08/25/2010	09:25 am	08/25/2011
6418-008-SA	0	RT37	PSB27-0-0.5-082610	EPA 1613 D/F	Soil	08/26/2010	11:10 am	08/26/2011
6418-009-SA	0	RT37	PSB27-1.5-2-082610	EPA 1613 D/F	Soil	08/26/2010	11:17 am	08/26/2011
6418-010-SA	0	RT37	SSB02-1-1.5-080310	EPA 1613 D/F	Soil	08/03/2010	02:00 pm	08/03/2011
6418-011-SA	0	RT37	SSB03-1.5-2-080610	EPA 1613 D/F	Soil	08/06/2010	09:00 am	08/08/2011
6418-012-SA	0	RT37	MW12-4-5.5-080210	EPA 1613 D/F	Soil	08/02/2010	02:22 pm	08/02/2011

FAL Sample ID	Notes
6418-006-SA	'Using sample ID from COC for our tracking purposes.'
6418-009-SA	'Using sample ID from COC for our tracking purposes.'
6418-010-SA	'Using sample ID from COC for our tracking purposes.'
6418-011-SA	'Using sample ID from COC for our tracking purposes.'

EPA Method 1613
PCDD/F



FAL ID: 6418-001-MB
Client ID: Method Blank
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: NA
Amount: 5.00 g

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-12-2010
2005 WHO TEQ: 0.00

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.169		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.183		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.198		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.257		-	0.0586	Total TCDD	ND	0.169	
1,2,3,7,8,9-HxCDD	ND	0.227		-	0.0529	Total PeCDD	ND	0.183	
1,2,3,4,6,7,8-HpCDD	ND	0.245		-	0.0954	Total HxCDD	ND	0.257	
OCDD	ND	0.450		-	0.154	Total HpCDD	ND	0.245	
2,3,7,8-TCDF	ND	0.108		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.122		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.132		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.167		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.161		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.166		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.169		-	0.0387	Total TCDF	ND	0.108	
1,2,3,4,6,7,8-HpCDF	ND	0.151		-	0.0418	Total PeCDF	ND	0.132	
1,2,3,4,7,8,9-HpCDF	ND	0.219		-	0.0429	Total HxCDF	ND	0.169	
OCDF	ND	0.411		-	0.105	Total HpCDF	ND	0.219	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	98.8	25.0 - 164	
13C-1,2,3,7,8-PeCDD	113	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	105	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	96.2	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	112	23.0 - 140	
13C-OCDD	118	17.0 - 157	
13C-2,3,7,8-TCDF	104	24.0 - 169	
13C-1,2,3,7,8-PeCDF	118	24.0 - 185	
13C-2,3,4,7,8-PeCDF	117	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	98.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	91.1	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	96.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	101	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	120	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	131	26.0 - 138	
13C-OCDF	121	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 103 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/15/10

Reviewed By: DA
Date: 11/15/10

EPA Method 1613
PCDD/F



FAL ID: 6418-001-OPR
Client ID: OPR
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: NA
Amount: 5.00 g

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: ng/ml

Acquired: 11-12-2010
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	9.92	6.70 - 15.8	
1,2,3,7,8-PeCDD	48.2	35.0 - 71.0	
1,2,3,4,7,8-HxCDD	47.6	35.0 - 82.0	
1,2,3,6,7,8-HxCDD	49.9	38.0 - 67.0	
1,2,3,7,8,9-HxCDD	50.0	32.0 - 81.0	
1,2,3,4,6,7,8-HpCDD	46.1	35.0 - 70.0	
OCDD	100	78.0 - 144	
2,3,7,8-TCDF	9.04	7.50 - 15.8	
1,2,3,7,8-PeCDF	53.6	40.0 - 67.0	
2,3,4,7,8-PeCDF	54.4	34.0 - 80.0	
1,2,3,4,7,8-HxCDF	52.5	36.0 - 67.0	
1,2,3,6,7,8-HxCDF	53.9	42.0 - 65.0	
2,3,4,6,7,8-HxCDF	54.1	35.0 - 78.0	
1,2,3,7,8,9-HxCDF	55.3	39.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	47.7	41.0 - 61.0	
1,2,3,4,7,8,9-HpCDF	50.4	39.0 - 69.0	
OCDF	115	63.0 - 170	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	107	20.0 - 175	
13C-1,2,3,7,8-PeCDD	122	21.0 - 227	
13C-1,2,3,4,7,8-HxCDD	99.8	21.0 - 193	
13C-1,2,3,6,7,8-HxCDD	91.0	25.0 - 163	
13C-1,2,3,4,6,7,8-HpCDD	101	26.0 - 166	
13C-OCDD	95.9	13.0 - 198	
13C-2,3,7,8-TCDF	106	22.0 - 152	
13C-1,2,3,7,8-PeCDF	122	21.0 - 192	
13C-2,3,4,7,8-PeCDF	121	13.0 - 328	
13C-1,2,3,4,7,8-HxCDF	92.4	19.0 - 202	
13C-1,2,3,6,7,8-HxCDF	86.8	21.0 - 159	
13C-2,3,4,6,7,8-HxCDF	85.5	22.0 - 176	
13C-1,2,3,7,8,9-HxCDF	95.6	17.0 - 205	
13C-1,2,3,4,6,7,8-HpCDF	104	21.0 - 158	
13C-1,2,3,4,7,8,9-HpCDF	140	20.0 - 186	
13C-OCDF	106	13.0 - 198	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD	99.2	31.0 - 191	
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- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/15/10

Reviewed By: DN
Date: 11/15/10

EPA Method 1613
PCDD/F



FAL ID: 6418-001-MB
Client ID: Method Blank
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: NA
Amount: 5.00 g

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-10-2010
2005 WHO TEQ: 0.00

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.130		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.141		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.168		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.221		-	0.0586	Total TCDD	ND	0.130	
1,2,3,7,8,9-HxCDD	ND	0.194		-	0.0529	Total PeCDD	ND	0.141	
1,2,3,4,6,7,8-HpCDD	ND	0.178		-	0.0954	Total HxCDD	ND	0.221	
OCDD	ND	0.214		-	0.154	Total HpCDD	ND	0.178	
2,3,7,8-TCDF	ND	0.115		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.103		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.104		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.129		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.123		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.129		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.114		-	0.0387	Total TCDF	ND	0.115	
1,2,3,4,6,7,8-HpCDF	ND	0.108		-	0.0418	Total PeCDF	ND	0.104	
1,2,3,4,7,8,9-HpCDF	ND	0.134		-	0.0429	Total HxCDF	ND	0.129	
OCDF	ND	0.297		-	0.105	Total HpCDF	ND	0.134	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	101	25.0 - 164	
13C-1,2,3,7,8-PeCDD	126	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	98.8	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	115	23.0 - 140	
13C-OCDD	133	17.0 - 157	
13C-2,3,7,8-TCDF	102	24.0 - 169	
13C-1,2,3,7,8-PeCDF	122	24.0 - 185	
13C-2,3,4,7,8-PeCDF	125	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	91.5	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	81.7	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	85.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	102	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	112	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	132	26.0 - 138	
13C-OCDF	123	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD	107	35.0 - 197	
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- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/11/10

Reviewed By: [Signature]
Date: 11/11/10

EPA Method 1613
PCDD/F



FAL ID: 6418-001-OPR
Client ID: OPR
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: NA
Amount: 5.00 g

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: ng/ml

Acquired: 11-10-2010
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	10.6	6.70 - 15.8	
1,2,3,7,8-PeCDD	51.9	35.0 - 71.0	
1,2,3,4,7,8-HxCDD	50.1	35.0 - 82.0	
1,2,3,6,7,8-HxCDD	50.4	38.0 - 67.0	
1,2,3,7,8,9-HxCDD	48.3	32.0 - 81.0	
1,2,3,4,6,7,8-HpCDD	45.3	35.0 - 70.0	
OCDD	101	78.0 - 144	
2,3,7,8-TCDF	8.78	7.50 - 15.8	
1,2,3,7,8-PeCDF	53.1	40.0 - 67.0	
2,3,4,7,8-PeCDF	53.1	34.0 - 80.0	
1,2,3,4,7,8-HxCDF	55.2	36.0 - 67.0	
1,2,3,6,7,8-HxCDF	55.0	42.0 - 65.0	
2,3,4,6,7,8-HxCDF	55.3	35.0 - 78.0	
1,2,3,7,8,9-HxCDF	56.5	39.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	47.5	41.0 - 61.0	
1,2,3,4,7,8,9-HpCDF	47.4	39.0 - 69.0	
OCDF	115	63.0 - 170	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	89.1	20.0 - 175	
13C-1,2,3,7,8-PeCDD	107	21.0 - 227	
13C-1,2,3,4,7,8-HxCDD	105	21.0 - 193	
13C-1,2,3,6,7,8-HxCDD	89.2	25.0 - 163	
13C-1,2,3,4,6,7,8-HpCDD	101	26.0 - 166	
13C-OCDD	79.9	13.0 - 198	
13C-2,3,7,8-TCDF	86.9	22.0 - 152	
13C-1,2,3,7,8-PeCDF	105	21.0 - 192	
13C-2,3,4,7,8-PeCDF	98.0	13.0 - 328	
13C-1,2,3,4,7,8-HxCDF	96.8	19.0 - 202	
13C-1,2,3,6,7,8-HxCDF	84.9	21.0 - 159	
13C-2,3,4,6,7,8-HxCDF	73.0	22.0 - 176	
13C-1,2,3,7,8,9-HxCDF	82.5	17.0 - 205	
13C-1,2,3,4,6,7,8-HpCDF	101	21.0 - 158	
13C-1,2,3,4,7,8,9-HpCDF	124	20.0 - 186	
13C-OCDF	86.7	13.0 - 198	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	96.1	31.0 - 191	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst:
Date: 11/11/10

Reviewed By:
Date: 11/11/10

EPA Method 1613
PCDD/F



FAL ID: 6418-001-SA
Client ID: PSB10-14-15-073010
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.09 g
% Solids: 97.38

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-12-2010
2005 WHO TEQ: 0.0730

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.312		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.364		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.574		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.721		-	0.0586	Total TCDD	15.2	-	
1,2,3,7,8,9-HxCDD	ND	0.648		-	0.0529	Total PeCDD	ND	0.364	
1,2,3,4,6,7,8-HpCDD	4.17	-	J	0.0417	0.0954	Total HxCDD	ND	0.721	
OCDD	51.9	-		0.0156	0.154	Total HpCDD	8.73	-	
2,3,7,8-TCDF	ND	0.261		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.305		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.333		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.367		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.372		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.417		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.440		-	0.0387	Total TCDF	ND	0.261	
1,2,3,4,6,7,8-HpCDF	1.43	-	J	0.0143	0.0418	Total PeCDF	ND	0.333	
1,2,3,4,7,8,9-HpCDF	ND	0.511		-	0.0429	Total HxCDF	ND	0.440	
OCDF	4.61	-	J	0.00138	0.105	Total HpCDF	3.46	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	87.5	25.0 - 164	
13C-1,2,3,7,8-PeCDD	95.2	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	84.8	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	77.9	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	72.0	23.0 - 140	
13C-OCDD	42.0	17.0 - 157	
13C-2,3,7,8-TCDF	91.0	24.0 - 169	
13C-1,2,3,7,8-PeCDF	96.3	24.0 - 185	
13C-2,3,4,7,8-PeCDF	94.1	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	83.6	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	77.5	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	73.5	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	71.9	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	82.6	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	98.3	26.0 - 138	
13C-OCDF	53.3	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 93.9 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/15/10

Reviewed By: [Signature]
Date: 11/15/10

EPA Method 1613
PCDD/F



FAL ID: 6418-002-SA
Client ID: PSB11-11-13-073010
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.05 g
% Solids: 88.05

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 1800

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	32.2	-		32.2	0.0262				
1,2,3,7,8-PeCDD	134	-		134	0.0442				
1,2,3,4,7,8-HxCDD	221	-		22.1	0.0486				
1,2,3,6,7,8-HxCDD	2080	-		208	0.0586	Total TCDD	197	-	
1,2,3,7,8,9-HxCDD	719	-		71.9	0.0529	Total PeCDD	954	-	
1,2,3,4,6,7,8-HpCDD	73700	-	*	737	0.0954	Total HxCDD	12000	-	
OCDD	812000	-	*	244	0.154	Total HpCDD	154000	-	*
2,3,7,8-TCDF	5.62	-	F	0.562	0.0205				
1,2,3,7,8-PeCDF	18.7	-		0.561	0.0298				
2,3,4,7,8-PeCDF	102	-		30.6	0.0313				
1,2,3,4,7,8-HxCDF	493	-		49.3	0.0308				
1,2,3,6,7,8-HxCDF	234	-	D,M	23.4	0.0317				
2,3,4,6,7,8-HxCDF	336	-		33.6	0.0341				
1,2,3,7,8,9-HxCDF	35.2	-		3.52	0.0387	Total TCDF	373	-	D,M
1,2,3,4,6,7,8-HpCDF	17400	-	*	174	0.0418	Total PeCDF	1570	-	D,M
1,2,3,4,7,8,9-HpCDF	710	-		7.10	0.0429	Total HxCDF	16900	-	D,M
OCDF	101000	-	*	30.3	0.105	Total HpCDF	71600	-	*

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	88.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	102	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	90.9	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	80.0	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	93.7	23.0 - 140	*
13C-OCDD	95.5	17.0 - 157	*
13C-2,3,7,8-TCDF	89.1	24.0 - 169	
13C-1,2,3,7,8-PeCDF	100	24.0 - 185	
13C-2,3,4,7,8-PeCDF	100	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	85.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	76.6	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	81.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	86.3	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	107	28.0 - 143	*
13C-1,2,3,4,7,8,9-HpCDF	127	26.0 - 138	
13C-OCDF	97.1	17.0 - 157	*

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 93.9 35.0 - 197

Analyst: [Signature]

Date: 11/9/10

Reviewed By: [Signature]

Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-003-SA
Client ID: PSB11-14-16-073010
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.11 g
% Solids: 83.97

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 2050

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	41.7	-		41.7	0.0262				
1,2,3,7,8-PeCDD	173	-		173	0.0442				
1,2,3,4,7,8-HxCDD	237	-		23.7	0.0486				
1,2,3,6,7,8-HxCDD	2400	-		240	0.0586	Total TCDD	266	-	
1,2,3,7,8,9-HxCDD	780	-		78.0	0.0529	Total PeCDD	1110	-	
1,2,3,4,6,7,8-HpCDD	93100	-	*	931	0.0954	Total HxCDD	13100	-	
OCDD	760000	-	*	228	0.154	Total HpCDD	197000	-	*
2,3,7,8-TCDF	4.50	-	F	0.450	0.0205				
1,2,3,7,8-PeCDF	18.4	-		0.552	0.0298				
2,3,4,7,8-PeCDF	64.0	-		19.2	0.0313				
1,2,3,4,7,8-HxCDF	377	-		37.7	0.0308				
1,2,3,6,7,8-HxCDF	225	-	D,M	22.5	0.0317				
2,3,4,6,7,8-HxCDF	292	-		29.2	0.0341				
1,2,3,7,8,9-HxCDF	19.8	-		1.98	0.0387	Total TCDF	405	-	D,M
1,2,3,4,6,7,8-HpCDF	18100	-	*	181	0.0418	Total PeCDF	1640	-	D,M
1,2,3,4,7,8,9-HpCDF	705	-		7.05	0.0429	Total HxCDF	18100	-	D,M
OCDF	102000	-	*	30.6	0.105	Total HpCDF	67800	-	*

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	90.8	25.0 - 164	
13C-1,2,3,7,8-PeCDD	102	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	96.4	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	83.4	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	95.9	23.0 - 140	*
13C-OCDD	124	17.0 - 157	*
13C-2,3,7,8-TCDF	98.7	24.0 - 169	
13C-1,2,3,7,8-PeCDF	110	24.0 - 185	
13C-2,3,4,7,8-PeCDF	111	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	87.1	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	77.9	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	84.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	91.0	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	127	28.0 - 143	*
13C-1,2,3,4,7,8,9-HpCDF	127	26.0 - 138	
13C-OCDF	104	17.0 - 157	*

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 98.9 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/9/10

Reviewed By: [Signature]
Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-004-SA
Client ID: PSB12-8-10-072810
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.11 g
% Solids: 94.12

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 13.3

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.495		-	0.0262				
1,2,3,7,8-PeCDD	1.63	-	J	1.63	0.0442				
1,2,3,4,7,8-HxCDD	1.95	-	J	0.195	0.0486				
1,2,3,6,7,8-HxCDD	15.1	-		1.51	0.0586	Total TCDD	3.56		-
1,2,3,7,8,9-HxCDD	5.78	-		0.578	0.0529	Total PeCDD	8.49		-
1,2,3,4,6,7,8-HpCDD	478	-		4.78	0.0954	Total HxCDD	89.1		-
OCDD	6780	-		2.03	0.154	Total HpCDD	981		-
2,3,7,8-TCDF	ND	0.320		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.337		-	0.0298				
2,3,4,7,8-PeCDF	1.22	-	J	0.366	0.0313				
1,2,3,4,7,8-HxCDF	2.93	-	J	0.293	0.0308				
1,2,3,6,7,8-HxCDF	1.91	-	J	0.191	0.0317				
2,3,4,6,7,8-HxCDF	3.24	-	J	0.324	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.425		-	0.0387	Total TCDF	2.65		-
1,2,3,4,6,7,8-HpCDF	121	-		1.21	0.0418	Total PeCDF	13.2		-
1,2,3,4,7,8,9-HpCDF	5.68	-		0.0568	0.0429	Total HxCDF	109		-
OCDF	572	-		0.172	0.105	Total HpCDF	474		-

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	86.3	25.0 - 164	
13C-1,2,3,7,8-PeCDD	93.3	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	89.1	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	80.8	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	86.2	23.0 - 140	
13C-OCDD	83.2	17.0 - 157	
13C-2,3,7,8-TCDF	87.6	24.0 - 169	
13C-1,2,3,7,8-PeCDF	95.4	24.0 - 185	
13C-2,3,4,7,8-PeCDF	90.4	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	85.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	80.1	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	82.3	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	86.8	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	97.4	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	123	26.0 - 138	
13C-OCDF	87.6	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 92.3 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/9/10

Reviewed By: [Signature]
Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-005-SA
Client ID: PSB13-11-13-072910
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.02 g
% Solids: 92.23

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 1.95

Compound	Conc	DL	Qual	2005		Compound	Conc	DL	Qual
				WHO Tox	MDL				
2,3,7,8-TCDD	ND	0.311		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.658		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.514		-	0.0486				
1,2,3,6,7,8-HxCDD	2.58	-	J	0.258	0.0586	Total TCDD	ND	0.556	
1,2,3,7,8,9-HxCDD	1.57	-	J	0.157	0.0529	Total PeCDD	1.75	-	J
1,2,3,4,6,7,8-HpCDD	55.8	-		0.558	0.0954	Total HxCDD	19.3	-	
OCDD	548	-		0.164	0.154	Total HpCDD	113	-	
2,3,7,8-TCDF	ND	0.233		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.256		-	0.0298				
2,3,4,7,8-PeCDF	0.818	-	J	0.245	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.340		-	0.0308				
1,2,3,6,7,8-HxCDF	1.43	-	J	0.143	0.0317				
2,3,4,6,7,8-HxCDF	2.58	-	J	0.258	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.341		-	0.0387	Total TCDF	23.7	-	
1,2,3,4,6,7,8-HpCDF	13.7	-		0.137	0.0418	Total PeCDF	59.1	-	
1,2,3,4,7,8,9-HpCDF	0.673	-	J	0.00673	0.0429	Total HxCDF	36.0	-	
OCDF	63.1	-		0.0189	0.105	Total HpCDF	46.5	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	96.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	106	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	95.9	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	78.9	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	85.5	23.0 - 140	
13C-OCDD	69.4	17.0 - 157	
13C-2,3,7,8-TCDF	96.4	24.0 - 169	
13C-1,2,3,7,8-PeCDF	110	24.0 - 185	
13C-2,3,4,7,8-PeCDF	107	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	87.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	82.2	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	85.7	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	90.5	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	98.0	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	124	26.0 - 138	
13C-OCDF	78.6	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 106 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/9/10

Reviewed By: [Signature]
Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-006-SA
Client ID: PSB14-12-14-072810
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.29 g
% Solids: 86.98

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 31.1

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	1.23	-		1.23	0.0262				
1,2,3,7,8-PeCDD	5.76	-		5.76	0.0442				
1,2,3,4,7,8-HxCDD	7.17	-		0.717	0.0486				
1,2,3,6,7,8-HxCDD	38.6	-		3.86	0.0586	Total TCDD	14.4		-
1,2,3,7,8,9-HxCDD	19.4	-		1.94	0.0529	Total PeCDD	55.0		-
1,2,3,4,6,7,8-HpCDD	785	-		7.85	0.0954	Total HxCDD	281		-
OCDD	7610	-		2.28	0.154	Total HpCDD	1720		-
2,3,7,8-TCDF	ND	0.239		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.442		-	0.0298				
2,3,4,7,8-PeCDF	4.88	-		1.46	0.0313				
1,2,3,4,7,8-HxCDF	19.7	-		1.97	0.0308				
1,2,3,6,7,8-HxCDF	5.86	-		0.586	0.0317				
2,3,4,6,7,8-HxCDF	7.73	-		0.773	0.0341				
1,2,3,7,8,9-HxCDF	1.13	-	J	0.113	0.0387	Total TCDF	11.8		-
1,2,3,4,6,7,8-HpCDF	212	-		2.12	0.0418	Total PeCDF	54.4		-
1,2,3,4,7,8,9-HpCDF	11.6	-		0.116	0.0429	Total HxCDF	301		-
OCDF	991	-		0.297	0.105	Total HpCDF	884		-

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	82.3	25.0 - 164	
13C-1,2,3,7,8-PeCDD	90.2	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	90.4	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	73.4	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	84.2	23.0 - 140	
13C-OCDD	71.3	17.0 - 157	
13C-2,3,7,8-TCDF	89.1	24.0 - 169	
13C-1,2,3,7,8-PeCDF	101	24.0 - 185	
13C-2,3,4,7,8-PeCDF	95.8	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	82.5	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	74.5	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	77.4	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	84.2	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	93.4	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	120	26.0 - 138	
13C-OCDF	77.2	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 87.6 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/9/10

Reviewed By: [Signature]
Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-007-SA
Client ID: PSB21-4-6-082510
Matrix: Soil
Batch No: X2149

Date Extracted: 11-03-2010
Date Received: 10-27-2010
Amount: 5.09 g
% Solids: 88.15

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-08-2010
2005 WHO TEQ: 2.38

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.331		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.497		-	0.0442				
1,2,3,4,7,8-HxCDD	0.998	-	J	0.0998	0.0486	Total TCDD	3.90		-
1,2,3,6,7,8-HxCDD	3.46	-	J	0.346	0.0586	Total PeCDD	7.20		-
1,2,3,7,8,9-HxCDD	2.07	-	J	0.207	0.0529	Total HxCDD	25.9		-
1,2,3,4,6,7,8-HpCDD	64.4	-		0.644	0.0954	Total HpCDD	135		-
OCDD	613	-		0.184	0.154				
2,3,7,8-TCDF	0.806	-	J	0.0806	0.0205				
1,2,3,7,8-PeCDF	ND	0.338		-	0.0298				
2,3,4,7,8-PeCDF	0.890	-	J	0.267	0.0313				
1,2,3,4,7,8-HxCDF	1.32	-	J	0.132	0.0308	Total TCDF	15.2		-
1,2,3,6,7,8-HxCDF	0.931	-	J	0.0931	0.0317	Total PeCDF	19.1		M
2,3,4,6,7,8-HxCDF	1.40	-	J	0.140	0.0341	Total HxCDF	23.0		-
1,2,3,7,8,9-HxCDF	ND	0.258		-	0.0387	Total HpCDF	45.1		-
1,2,3,4,6,7,8-HpCDF	16.4	-		0.164	0.0418				
1,2,3,4,7,8,9-HpCDF	1.09	-	J	0.0109	0.0429				
OCDF	50.3	-		0.0151	0.105				

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	90.7	25.0 - 164	
13C-1,2,3,7,8-PeCDD	93.9	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	94.5	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	76.0	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	81.8	23.0 - 140	
13C-OCDD	61.1	17.0 - 157	
13C-2,3,7,8-TCDF	95.0	24.0 - 169	
13C-1,2,3,7,8-PeCDF	101	24.0 - 185	
13C-2,3,4,7,8-PeCDF	96.9	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	84.5	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	76.6	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	82.7	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	85.9	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	94.2	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	115	26.0 - 138	
13C-OCDF	71.1	17.0 - 157	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 94.7 35.0 - 197

Analyst: [Signature]
Date: 11/9/10

Reviewed By: [Signature]
Date: 11/9/10

EPA Method 1613
PCDD/F



FAL ID: 6418-008-SA
Client ID: PSB27-0-0.5-082610
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: 10-27-2010
Amount: 5.00 g
% Solids: 94.99

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-09-2010
2005 WHO TEQ: 282

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	4.21	-		4.21	0.0262				
1,2,3,7,8-PeCDD	21.7	-		21.7	0.0442				
1,2,3,4,7,8-HxCDD	34.0	-		3.40	0.0486				
1,2,3,6,7,8-HxCDD	287	-		28.7	0.0586	Total TCDD	34.0	-	
1,2,3,7,8,9-HxCDD	109	-		10.9	0.0529	Total PeCDD	145	-	
1,2,3,4,6,7,8-HpCDD	11300	-	*	113	0.0954	Total HxCDD	1730	-	
OCDD	130000	-	*	39.0	0.154	Total HpCDD	23700	-	*
2,3,7,8-TCDF	1.34	-		0.134	0.0205				
1,2,3,7,8-PeCDF	3.04	-	J	0.0912	0.0298				
2,3,4,7,8-PeCDF	14.4	-		4.32	0.0313				
1,2,3,4,7,8-HxCDF	87.9	-		8.79	0.0308				
1,2,3,6,7,8-HxCDF	34.3	-		3.43	0.0317				
2,3,4,6,7,8-HxCDF	50.9	-		5.09	0.0341				
1,2,3,7,8,9-HxCDF	5.73	-		0.573	0.0387	Total TCDF	43.1	-	
1,2,3,4,6,7,8-HpCDF	3220	-		32.2	0.0418	Total PeCDF	230	-	
1,2,3,4,7,8,9-HpCDF	113	-		1.13	0.0429	Total HxCDF	2340	-	D,M
OCDF	18700	-	*	5.61	0.105	Total HpCDF	12700	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	110	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	98.3	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	90.0	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	115	23.0 - 140	*
13C-OCDD	127	17.0 - 157	*
13C-2,3,7,8-TCDF	99.4	24.0 - 169	
13C-1,2,3,7,8-PeCDF	113	24.0 - 185	
13C-2,3,4,7,8-PeCDF	115	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	87.0	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	80.1	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	80.8	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	88.3	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	106	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	135	26.0 - 138	
13C-OCDF	117	17.0 - 157	*
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	105	35.0 - 197	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/10/10

Reviewed By: DN
Date: 11/10/10

EPA Method 1613
PCDD/F



FAL ID: 6418-009-SA
Client ID: PSB27-1.5-2-82610
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: 10-27-2010
Amount: 5.02 g
% Solids: 94.21

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-09-2010
2005 WHO TEQ: 1650

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	21.4	-		21.4	0.0262				
1,2,3,7,8-PeCDD	121	-		121	0.0442				
1,2,3,4,7,8-HxCDD	185	-		18.5	0.0486				
1,2,3,6,7,8-HxCDD	1720	-		172	0.0586	Total TCDD	129	-	
1,2,3,7,8,9-HxCDD	661	-		66.1	0.0529	Total PeCDD	760	-	
1,2,3,4,6,7,8-HpCDD	67500	-	*	675	0.0954	Total HxCDD	10200	-	
OCDD	726000	-	*	218	0.154	Total HpCDD	138000	-	*
2,3,7,8-TCDF	4.06	-	F	0.406	0.0205				
1,2,3,7,8-PeCDF	14.2	-		0.426	0.0298				
2,3,4,7,8-PeCDF	99.1	-		29.7	0.0313				
1,2,3,4,7,8-HxCDF	597	-		59.7	0.0308				
1,2,3,6,7,8-HxCDF	210	-	D,M	21.0	0.0317				
2,3,4,6,7,8-HxCDF	278	-		27.8	0.0341				
1,2,3,7,8,9-HxCDF	26.0	-		2.60	0.0387	Total TCDF	168	-	D,M
1,2,3,4,6,7,8-HpCDF	17500	-	*	175	0.0418	Total PeCDF	1310	-	D,M
1,2,3,4,7,8,9-HpCDF	690	-		6.90	0.0429	Total HxCDF	14100	-	D,M
OCDF	111000	-	*	33.3	0.105	Total HpCDF	72400	-	*

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	95.6	25.0 - 164	
13C-1,2,3,7,8-PeCDD	118	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	92.8	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	88.8	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	113	23.0 - 140	*
13C-OCDD	145	17.0 - 157	*
13C-2,3,7,8-TCDF	100	24.0 - 169	
13C-1,2,3,7,8-PeCDF	123	24.0 - 185	
13C-2,3,4,7,8-PeCDF	119	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	83.9	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	77.5	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	79.7	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	86.1	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	114	28.0 - 143	*
13C-1,2,3,4,7,8,9-HpCDF	137	26.0 - 138	
13C-OCDF	118	17.0 - 157	*

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 103 35.0 - 197

Analyst: [Signature]
Date: 11/10

Reviewed By: DN
Date: 11/10

EPA Method 1613
PCDD/F



FAL ID: 6418-010-SA
Client ID: SSB02-1-1.5-080310
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: 10-27-2010
Amount: 5.03 g
% Solids: 95.18

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-09-2010
2005 WHO TEQ: 15.2

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	0.635	-	J	0.635	0.0262				
1,2,3,7,8-PeCDD	3.04	-	J	3.04	0.0442				
1,2,3,4,7,8-HxCDD	5.70	-		0.570	0.0486				
1,2,3,6,7,8-HxCDD	15.3	-		1.53	0.0586	Total TCDD	8.72		-
1,2,3,7,8,9-HxCDD	10.7	-		1.07	0.0529	Total PeCDD	23.0		-
1,2,3,4,6,7,8-HpCDD	348	-		3.48	0.0954	Total HxCDD	102		-
OCDD	2860	-		0.858	0.154	Total HpCDD	598		-
2,3,7,8-TCDF	0.971	-	J	0.0971	0.0205				
1,2,3,7,8-PeCDF	0.904	-	J	0.0271	0.0298				
2,3,4,7,8-PeCDF	3.03	-	J	0.909	0.0313				
1,2,3,4,7,8-HxCDF	5.72	-		0.572	0.0308				
1,2,3,6,7,8-HxCDF	4.30	-	J	0.430	0.0317				
2,3,4,6,7,8-HxCDF	6.20	-		0.620	0.0341				
1,2,3,7,8,9-HxCDF	1.10	-	J	0.110	0.0387	Total TCDF	20.7		-
1,2,3,4,6,7,8-HpCDF	109	-		1.09	0.0418	Total PeCDF	44.9		-
1,2,3,4,7,8,9-HpCDF	6.36	-		0.0636	0.0429	Total HxCDF	127		-
OCDF	423	-		0.127	0.105	Total HpCDF	327		-

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	95.8	25.0 - 164	
13C-1,2,3,7,8-PeCDD	118	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	96.1	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	90.0	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	106	23.0 - 140	
13C-OCDD	120	17.0 - 157	
13C-2,3,7,8-TCDF	101	24.0 - 169	
13C-1,2,3,7,8-PeCDF	119	24.0 - 185	
13C-2,3,4,7,8-PeCDF	118	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	85.2	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	79.1	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	80.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	90.9	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	104	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	129	26.0 - 138	
13C-OCDF	109	17.0 - 157	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 99.6 35.0 - 197

Analyst: [Signature]
Date: 11/11/10

Reviewed By: [Signature]
Date: 11/11/10

EPA Method 1613
PCDD/F



FAL ID: 6418-011-SA
Client ID: SSB03-1.5-2-080610
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: 10-27-2010
Amount: 5.05 g
% Solids: 93.30

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-09-2010
2005 WHO TEQ: 0.0317

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.115		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.133		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.235		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.303		-	0.0586	Total TCDD	ND	0.115	
1,2,3,7,8,9-HxCDD	ND	0.269		-	0.0529	Total PeCDD	ND	0.133	
1,2,3,4,6,7,8-HpCDD	2.03	-	J	0.0203	0.0954	Total HxCDD	ND	0.318	
OCDD	15.8	-		0.00474	0.154	Total HpCDD	4.15	-	J
2,3,7,8-TCDF	ND	0.0976		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.110		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.122		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.125		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.118		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.124		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.116		-	0.0387	Total TCDF	ND	0.0976	
1,2,3,4,6,7,8-HpCDF	0.624	-	J	0.00624	0.0418	Total PeCDF	ND	0.122	
1,2,3,4,7,8,9-HpCDF	ND	0.146		-	0.0429	Total HxCDF	ND	0.206	
OCDF	1.56	-	J	0.000468	0.105	Total HpCDF	1.24	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	91.8	25.0 - 164	
13C-1,2,3,7,8-PeCDD	108	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	90.6	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	82.7	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	100	23.0 - 140	
13C-OCDD	98.2	17.0 - 157	
13C-2,3,7,8-TCDF	95.4	24.0 - 169	
13C-1,2,3,7,8-PeCDF	110	24.0 - 185	
13C-2,3,4,7,8-PeCDF	106	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	79.7	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	74.7	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	76.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	85.7	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	95.7	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	130	26.0 - 138	
13C-OCDF	99.0	17.0 - 157	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	94.5	35.0 - 197	

A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
 B Analyte is present in Method Blank
 C Chemical Interference
 D Presence of Diphenyl Ethers
 E Analyte concentration is above calibration range
 F Analyte confirmation on secondary column
 J Analyte concentration is below calibration range
 M Maximum possible concentration
 ND Analyte Not Detected
 NP Not Provided
 P Pre-filtered through a Whatman 0.7um GF/F filter
 S Sample acceptance criteria not met
 X Matrix interferences
 * Result taken from dilution or reinjection

Analyst:
Date:

Reviewed By:
Date:

EPA Method 1613
PCDD/F



FAL ID: 6418-012-SA
Client ID: MW12-4-5.5-080210
Matrix: Soil
Batch No: X2151

Date Extracted: 11-04-2010
Date Received: 10-27-2010
Amount: 5.03 g
% Solids: 90.71

ICal: PCDDFAL3-8-23-10
GC Column: DB5
Units: pg/g

Acquired: 11-09-2010
2005 WHO TEQ: 0.679

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.247		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.132		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.264		-	0.0486				
1,2,3,6,7,8-HxCDD	0.738	-	J	0.0738	0.0586	Total TCDD	2.97	-	
1,2,3,7,8,9-HxCDD	ND	0.292		-	0.0529	Total PeCDD	2.58	-	J
1,2,3,4,6,7,8-HpCDD	18.2	-		0.182	0.0954	Total HxCDD	4.82	-	J
OCDD	217	-		0.0651	0.154	Total HpCDD	36.7	-	
2,3,7,8-TCDF	0.526	-	J	0.0526	0.0205				
1,2,3,7,8-PeCDF	0.273	-	J	0.00819	0.0298				
2,3,4,7,8-PeCDF	0.436	-	J	0.131	0.0313				
1,2,3,4,7,8-HxCDF	0.310	-	J	0.0310	0.0308				
1,2,3,6,7,8-HxCDF	0.291	-	J	0.0291	0.0317				
2,3,4,6,7,8-HxCDF	0.354	-	J	0.0354	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.103		-	0.0387	Total TCDF	11.8	-	
1,2,3,4,6,7,8-HpCDF	5.89	-		0.0589	0.0418	Total PeCDF	5.34	-	
1,2,3,4,7,8,9-HpCDF	0.303	-	J	0.00303	0.0429	Total HxCDF	5.69	-	
OCDF	29.9	-		0.00897	0.105	Total HpCDF	19.5	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	84.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	102	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	86.5	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	80.4	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	89.3	23.0 - 140	
13C-OCDD	94.7	17.0 - 157	
13C-2,3,7,8-TCDF	90.0	24.0 - 169	
13C-1,2,3,7,8-PeCDF	103	24.0 - 185	
13C-2,3,4,7,8-PeCDF	103	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	77.2	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	70.9	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	71.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	82.1	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	89.0	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	122	26.0 - 138	
13C-OCDF	94.2	17.0 - 157	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	93.6	35.0 - 197	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: [Signature]
Date: 11/11/10

Reviewed By: DN
Date: 11/11/10



Laboratory: Frontier Analytical Laboratory
Lab Contact: BRAD SILVERBUSH
Lab Address: 5172 Hillside Circle
El Dorado Hills, CA 95762
Phone: 916-934-0900
Fax: 916-934-0999

*6448
Doc*

ARI Client: Floyd-Snider
Project ID: Lora Lakes Apartments RI
ARI PM: Sue Dunnihoo
Phone: 206-695-6207
Fax: 206-695-6201

L4 a EDD

Requested Turn Around:
Email Results (Y/N): **Yes**

Analytical Protocol: In-house
Special Instructions:

Limits of Liability. Subcontractor is expected to perform all requested services in accordance with appropriate methodology following Standard Operating Procedures that meet standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the negotiated amount for said services. The agreement by the Subcontractor to perform services requested by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Subcontractor.

ARI ID	Client ID/ Add'l ID	Sampled	Matrix	Bottles	Analyses
10-27571-RT37A	PSB10-14-15-073010	07/30/10	Soil	<i>14:20</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27572-RT37B	PSB11-11-13-073010	07/30/10	Soil	<i>9:38</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27573-RT37C	PSB11-14-16-073010	07/30/10	Soil	<i>9:45</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27574-RT37D	PSB12-8-10-072810	07/28/10	Soil	<i>16:15</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27575-RT37E	PSB13-11-13-072910	07/29/10	Soil	<i>14:15</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27576-RT37F	PSB14-12-14-072810	07/28/10	Soil	<i>14:16</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27577-RT37G	PSB21-4-6-082510	08/25/10	Soil	<i>9:25</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-27578-RT37H	PSB27-0-0.5-082610	08/26/10	Soil	<i>11:10</i>	Dioxin/Furans 1613(Sub)
Special Instructions: None <i>only 402 Jar</i>					

Carrier <i>UPS</i>	Airbill <i>128326950151749671</i>	Date <i>10/26/10</i>
Relinquished by <i>[Signature]</i>	Company <i>ARI</i>	Date <i>10/26/10</i>
Received by <i>[Signature]</i>	Company <i>Frontier</i>	Date <i>10-27-10</i>
		Time <i>1550</i>
		Time <i>1115</i>

SUBCONTRACTOR ANALYSIS REQUEST
 CUSTODY TRANSFER 10/26/10



6418
500

ARI Project: RT37

Laboratory: Frontier Analytical Laboratory
 Lab Contact: BRAD SILVERBUSH

ARI Client: Floyd-Snider
 Project ID:

ARI Sample ID	Client Sample ID/ Add'l Sample ID	Sampled	Matrix	Bottles	Analyses
10-27579-RT37I	PSB27-1.5-2-082610	08/26/10	Soil		Dioxin/Furans 1613(Sub)
Special Instructions: None only 4oz jar					11:17 PSB17-1.5-2-082610
10-27580-RT37J	SSB02-1-1.5-080310	08/03/10	Soil		Dioxin/Furans 1613(Sub)
Special Instructions: None					14:00 SSB2-1-1.5-080310
10-27581-RT37K	SSB03-1.5-2-080610	08/06/10	Soil		Dioxin/Furans 1613(Sub)
Special Instructions: None					9:00 SSB3-1.5-20-080610
10-27582-RT37L	MW12-4-5.5-080210	08/02/10	Soil		Dioxin/Furans 1613(Sub)
Special Instructions: None					14:22

Carrier Pg 1	Airbill		Date
Relinquished by	Company	Date	Time
Received by Kathy Bep	Company Frontier	Date 10-27-10	Time 1115

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **6418**

Client:	Analytical Resources Inc. Sue Dunnihoo
Client Project ID:	RT37
Date Received:	10/27/2010
Time Received:	11:15 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	12
Duplicates:	0
Storage Location:	R1

Method of Delivery:	UPS
Tracking Number:	1Z8326950151749671
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test for residual Chlorine	No
Thiosulfate Added	No
Earliest Sample Hold Time Expiration	07/28/2011
Adequate Sample Volume	Yes
Anomalies or additional comments:	



Frontier Analytical Laboratory
PROJECT REQUEST SHEET

Project #: 6418 Sample #: 1-7
~~1-12~~ Client Manager: BS

Client: Analytical Resources Inc. Sue Dunning Hold Time: 07/28/2011

Matrix: Soil Extraction Batch: 2149 Due Date: 11/18/2010

Method: EPA 1613 D/F Storage: R1

SOP: SOPs: EP2A Rev.8 IP2A Rev.9

COMMENTS/INSTRUCTIONS:

LL & EDD

Results: 6418-1
6418
CA18TDE
Extract/s located in box: "Juke & Tom"

Standards: 6418

Instrument: FAC-3
DB5 FAC-1
DB225 _____
DB1 _____
Other _____

Frontier Analytical Laboratory
Percent Solids

FAL Project: 6418

Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv
1.32 6418-001-0001-SA	GN	11/3/10	6.86	6.68	97.38	10.27
1.33 6418-002-0001-SA			7.95	7.00	88.05	11.36
1.32 6418-003-0001-SA			9.23	7.75	83.97	11.91
1.31 6418-004-0001-SA			7.31	6.88	94.12	10.63
1.34 6418-005-0001-SA			7.72	7.12	92.23	10.84
1.32 6418-006-0001-SA			8.83	7.68	86.98	11.50
1.31 6418-007-0001-SA			7.34	6.47	88.15	11.34
1.31 6418-008-0001-SA			7.19	6.83	94.99	10.53
1.32 6418-009-0001-SA			7.26	6.84	94.21	10.61
1.30 6418-010-0001-SA			6.64	6.32	95.18	10.51
1.33 6418-011-0001-SA			6.42	5.99	93.30	10.72
1.32 6418-012-0001-SA	↓	↓	7.00	6.35	90.71	11.02

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

$$\% \text{ solids} = \text{aliquot after drying} / \text{aliquot before drying} \times 100$$

- 1. Samples containing one percent solids or less are prepared as aqueous samples.
- 1. Samples containing greater than one percent solids prepared as solid samples.

EXTRACTION SHEET

Project #: 6418 Extraction Date: 2010-11-03 Extraction Chemist: GN

Method/Analysis: EPA 1613 D/F

Procedure: SOX/SDS

Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS		NS		CSS	
			Amt: 10.0uL ID: 100511A Vial: 2 Chemist/Witness/Date		Amt: 10.0uL ID: 100511B Vial: 2 Chemist/Witness/Date		Amt: 10.0uL ID: 100511C Vial: 2 Chemist/Witness/Date	
2149-001-0001-MB	(5.00g)	(5.00g)	GN	✓ 11/3/10	NA		GN	✓ 11/4/10
2149-001-0001-OPR	(5.00g)	(5.00g)			GN	✓ 11/3/10		
6418-001-0001-SA	5.23	5.09			NA			
6418-002-0001-SA	5.73	5.05						
6418-003-0001-SA	6.09	5.11						
6418-004-0001-SA	5.43	5.11						
6418-005-0001-SA	5.44	5.02						
6418-006-0001-SA	6.08	5.29						
6418-007-0001-SA	5.77	5.09						

AX-21 Charcoal Cleaned	031210	Acetone	104063	Acid Alumina	08623DJ	Hexane	104946
Hydrochloric Acid	B08505	Methanol	102708	Methylene Chloride (DCM)	50246	Silica Gel	TA1593034
Sodium Hydroxide	9265	Sodium Sulfate	49009905	Sulfuric Acid	101570	Tetradecane	081394
Toluene	103931	Water	50229	C-18 Empore Discs	320505	Cyclohexane	48151

Comments:

CLEANUP SHEET

Project #: 6418

Method/Analysis: EPA 1613 D/F

Splits: 0 Split Date: N/A Final Volume: 20.0uL

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
	MSG/AA	Charcoal	NA	Amt: 10.0uL ID: 100511D Vial: 2
2149-001-0001-MB	GN 11/4/10	GN 11/4/10	NA	GN MP 11/4/10
2149-001-0001-OPR	↓	↓	↓	↓
6418-001-0001-SA	↓	↓	↓	↓
6418-002-0001-SA	↓	↓	↓	↓
6418-003-0001-SA	↓	↓	↓	↓
6418-004-0001-SA	↓	↓	↓	↓
6418-005-0001-SA	↓	↓	↓	↓
6418-006-0001-SA	↓	↓	↓	↓
6418-007-0001-SA	↓	↓	↓	↓

Comments:

Frontier Analytical Laboratory
PROJECT REQUEST SHEET

Project #: 6418 Sample #: 8-12
~~1-12~~ Client Manager: BS

Client: Analytical Resources Inc. Sue Dunning Hold Time: 07/28/2011

Matrix: Soil Extraction Batch: 2151 Due Date: 11/18/2010

Method: EPA 1613 D/F Storage: R1

SOP: SOPs: EP2A Rev.8 IP2A Rev.9

COMMENTS/INSTRUCTIONS:

LL & EDD

Results: 6418-8
6418-9tcd

Extract/s located in box: "Jake and Tom"

Standards: 6418-8 / 6418-9tcd

Instrument: /
DB5: FAL-3
DB225: FAL-1
DB1: _____
Other: _____

Frontier Analytical Laboratory

Percent Solids

FAL Project: 6418

Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv
1.33 6418-001-0001-SA	GN	11/3/10	6.86	6.68	97.38	10.27
1.33 6418-002-0001-SA			7.95	7.00 7.00	88.05	11.36
1.32 6418-003-0001-SA			9.23	7.75	83.97	11.91
1.31 6418-004-0001-SA			7.31	6.88	94.12	10.63
1.34 6418-005-0001-SA			7.72	7.12	92.23	10.84
1.32 6418-006-0001-SA			8.83	7.68	86.98	11.50
1.31 6418-007-0001-SA			7.34	6.47	88.15	11.35
1.34 6418-008-0001-SA			7.19	6.83	94.99	10.53
1.32 6418-009-0001-SA			7.26	6.84	94.21	10.61
1.30 6418-010-0001-SA			6.64	6.32	95.18	10.51
1.33 6418-011-0001-SA			6.42	5.99	93.30	10.72
1.32 6418-012-0001-SA	↓	↓	7.00	6.35	90.71	11.02

11.34 11/4/10

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

$\% \text{ solids} = \text{aliquot after drying} / \text{aliquot before drying} \times 100$

- 1 Samples containing one percent solids or less are prepared as aqueous samples.
- 1 Samples containing greater than one percent solids prepared as solid samples.

EXTRACTION SHEET

Project #: 6418 Extraction Date: 2010-11-04 Extraction Chemist: DV

Method/Analysis: EPA 1613 D/F

Procedure: SOX/SDS

Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS		NS		CSS	
			Amt: 10.0uL ID: 100511A Vial: 3 Chemist/Witness/Date		Amt: 10.0uL ID: 100511B Vial: 3 Chemist/Witness/Date		Amt: 10.0uL ID: 100511C Vial: 3 Chemist/Witness/Date	
2151-001-0001-MB	(5.00g)	(5.00g)	DN ✓ "1/4/10		N/A		DN ✓ "1/5/10	
2151-001-0001-OPR	(5.00g)	(5.00g)	↓		DN ✓ "1/4/10		↓	
6418-008-0001-SA ^{"1/4/10}	5.26g DN 5.10g	5.00g	↓		N/A		↓	
6418-009-0001-SA	5.33g	5.02g	↓		↓		↓	
6418-010-0001-SA	5.28g	5.03g	↓		↓		↓	
6418-011-0001-SA	5.41g	5.05g	↓		↓		↓	
6418-012-0001-SA	5.54g	5.03g	↓		↓		↓	

AX-21 Charcoal Cleaned	031210	Acetone	104063	Acid Alumina	08623DJ	Hexane	104946
Hydrochloric Acid	B08505	Methanol	102708	Methylene Chloride (DCM)	50246	Silica Gel	TA1593034
Sodium Hydroxide	9265	Sodium Sulfate	49009905	Sulfuric Acid	101570	Tetradecane	081394
Toluene	103931	Water	50229	C-18 Empore Discs	320505	Cyclohexane	48151

Comments:

CLEANUP SHEET

Project #: 6418

Method/Analysis: EPA 1613 D/F

Splits: 0


Split Date: N/A

Final Volume: 20.0uL

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	MSG. AA	CC	N/A	Amt: 10.0uL ID: 100511D Vial: 3
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
2151-001-0001-MB	DN 11/5/10	DN 11/5/10	N/A	DN MP 11/5/10
2151-001-0001-OPR	↓	↓	↓	↓
6418-008-0001-SA	↓	↓	↓	↓
6418-009-0001-SA	↓	↓	↓	↓
6418-010-0001-SA	↓	↓	↓	↓
6418-011-0001-SA	↓	↓	↓	↓
6418-012-0001-SA	↓	↓	↓	↓

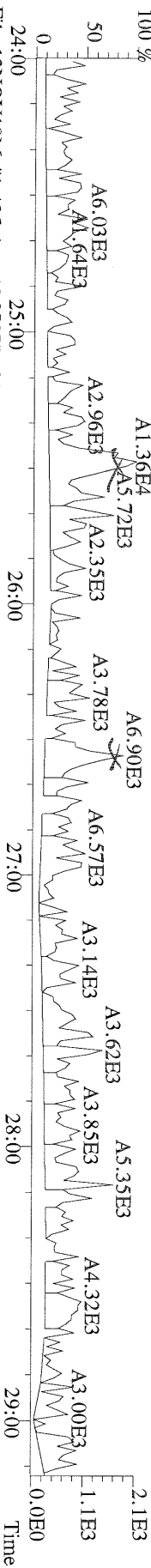
Comments:

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	404	414	0.169	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	406	323	0.183	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	380	425	0.198	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	380	425	0.257	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	380	425	0.227	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*		2.50	345	348	0.245	
OCDD	*	* n	NotFnd	1.43	*		2.50	371	318	0.450	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	448	803	0.108	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	326	432	0.122	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	326	432	0.132	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	372	358	0.167	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	372	358	0.161	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	372	358	0.166	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	372	358	0.169	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*		2.50	319	312	0.151	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	319	312	0.219	
OCDF	*	* n	NotFnd	0.79	*		2.50	335	379	0.411	
Rec											
13C-2,3,7,8-TCDD	1.85e+07	0.87 y	27:20	1.02	395					98.8	
13C-1,2,3,7,8-PeCDD	1.74e+07	1.75 y	33:10	0.84	452					113	
13C-1,2,3,4,7,8-HxCDD	1.50e+07	1.20 y	38:31	1.07	418					105	
13C-1,2,3,6,7,8-HxCDD	1.31e+07	1.19 y	38:41	1.01	385					96.2	
13C-1,2,3,4,6,7,8-HpCDD	1.28e+07	1.08 y	44:07	0.86	448					112	
13C-OCDD	1.73e+07	0.98 y	49:39	0.55	946					118	
13C-2,3,7,8-TCDF	3.15e+07	0.87 y	26:35	0.99	415					104	
13C-1,2,3,7,8-PeCDF	3.02e+07	1.73 y	31:25	0.84	472					118	
13C-2,3,4,7,8-PeCDF	2.90e+07	1.74 y	32:45	0.81	468					117	
13C-1,2,3,4,7,8-HxCDF	2.45e+07	0.51 y	37:08	1.85	396					98.9	
13C-1,2,3,6,7,8-HxCDF	3.09e+07	0.52 y	37:20	2.54	364					91.1	
13C-2,3,4,6,7,8-HxCDF	2.59e+07	0.53 y	38:16	2.01	384					96.0	
13C-1,2,3,7,8,9-HxCDF	2.75e+07	0.52 y	39:43	2.03	404					101	
13C-1,2,3,4,6,7,8-HpCDF	1.78e+07	0.44 y	42:12	1.11	478					120	
13C-1,2,3,4,7,8,9-HpCDF	1.41e+07	0.44 y	45:03	0.80	524					131	
13C-OCDF	3.51e+07	0.91 y	50:03	1.08	968					121	
37Cl-2,3,7,8-TCDD	5.17e+06		27:21	0.69	164					103	
13C-1,2,3,4-TCDD	1.83e+07	0.84 y	26:44	-	8.16						
13C-1,2,3,4-TCDF	3.05e+07	0.86 y	25:29	-	8.44						
13C-1,2,3,7,8,9-HxCDD	1.34e+07	1.18 y	39:08	-	9.72						
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	404	414	0.169	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	406	323	0.183	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	380	425	0.257	0
Total Hepta-Dioxins	*		NotFnd	1.45	*		2.50	345	348	0.245	0
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	448	803	0.108	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	326	432	0.132	PeCDF 0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	326	432	0.132	0.00 0
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	372	358	0.169	0
Total Hepta-Furans	*		NotFnd	1.38	*		2.50	319	312	0.219	0

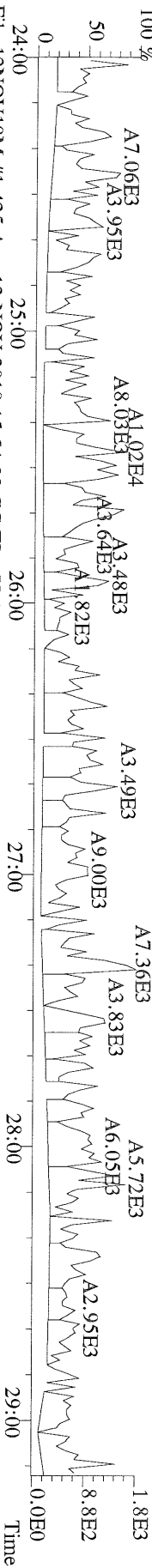
Analyst: 

Date: 11/15/10

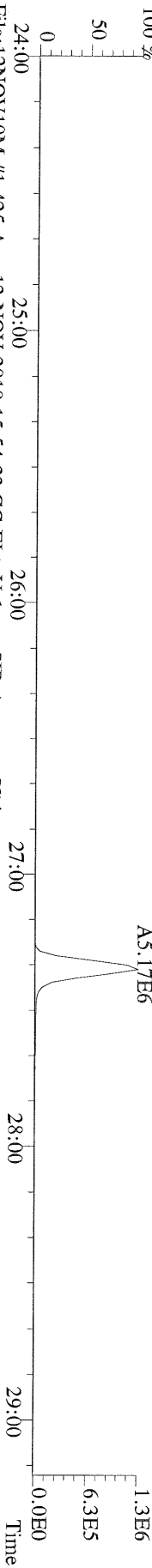
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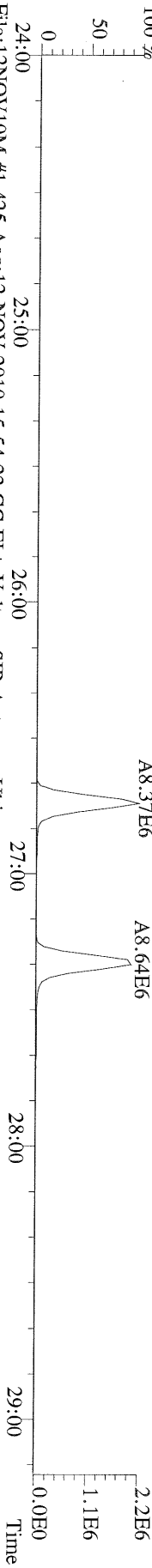
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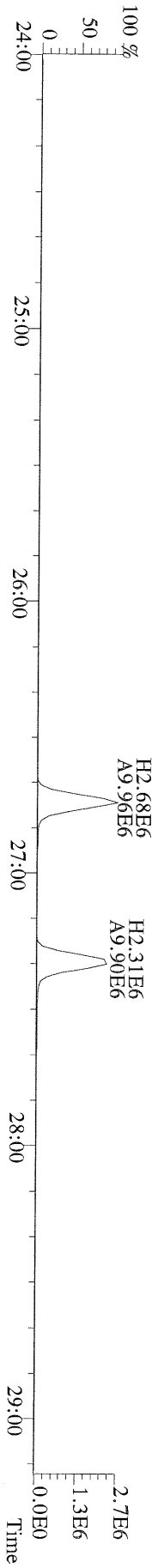
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327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
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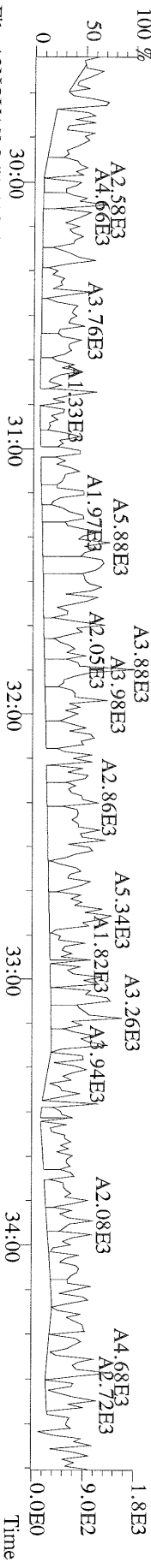
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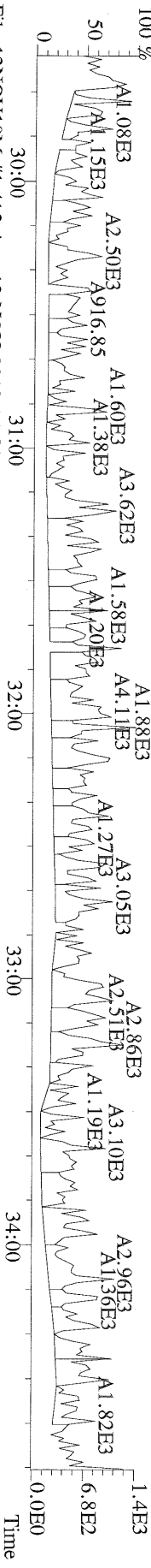
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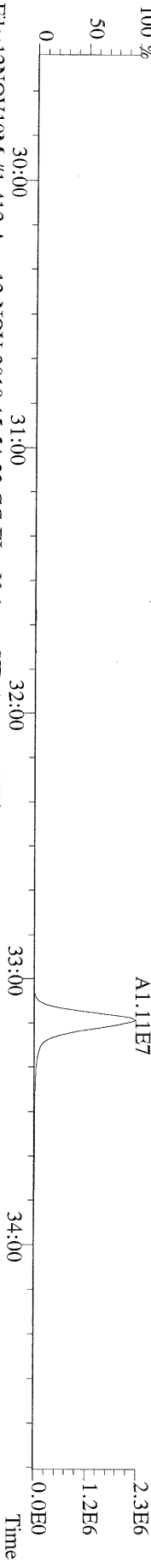
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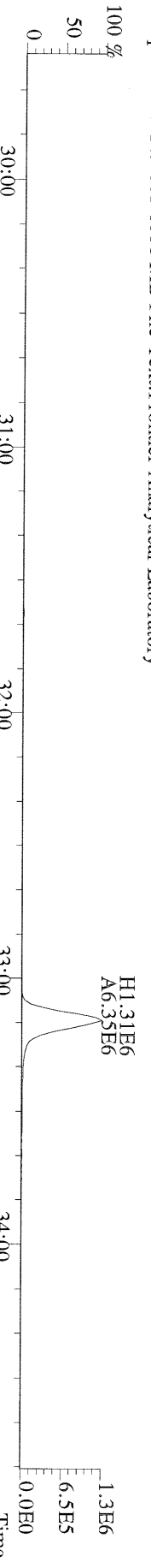
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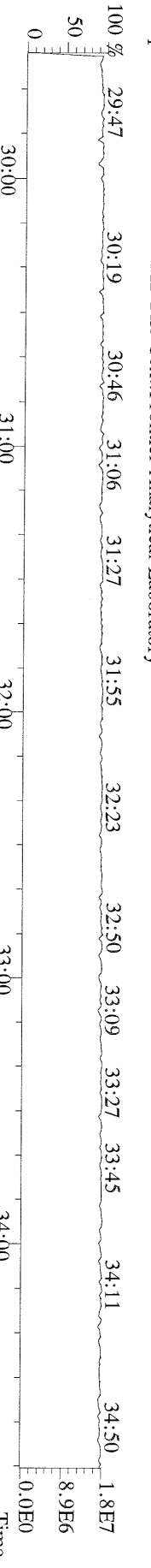
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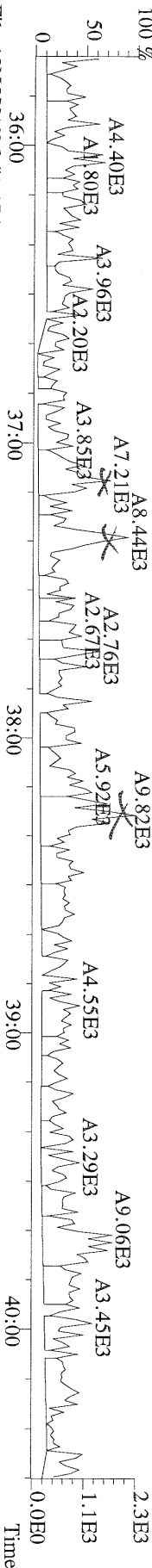
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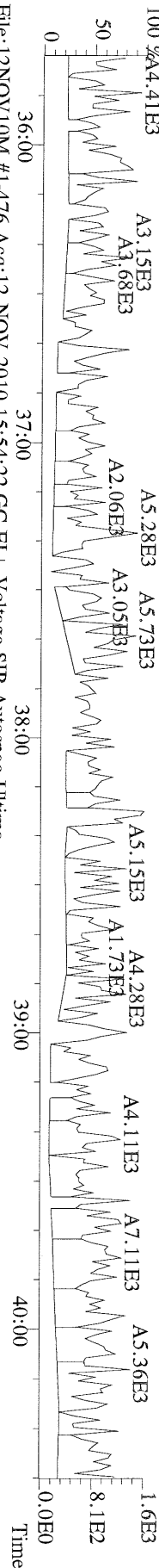
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 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



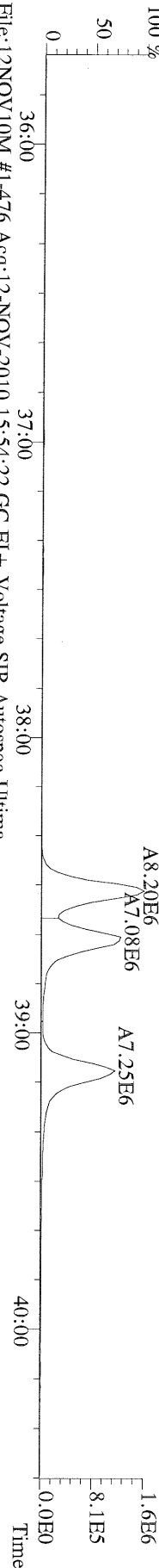
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 389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



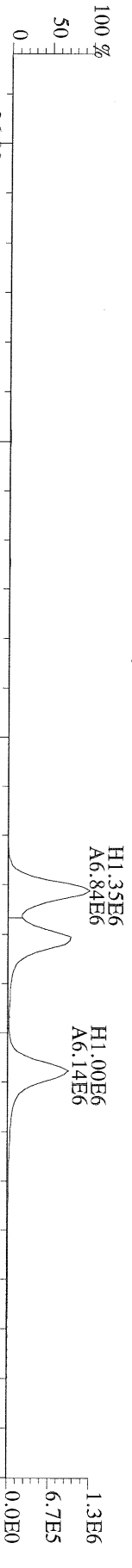
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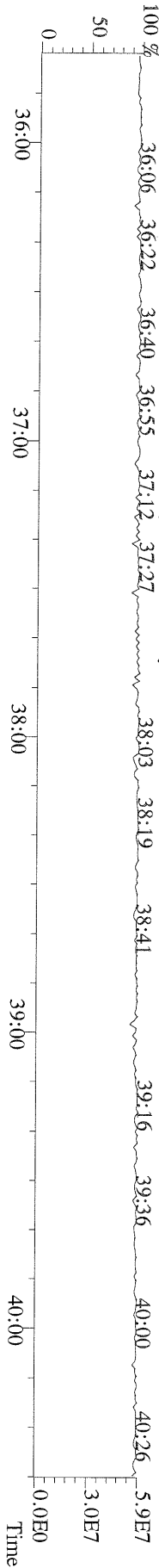
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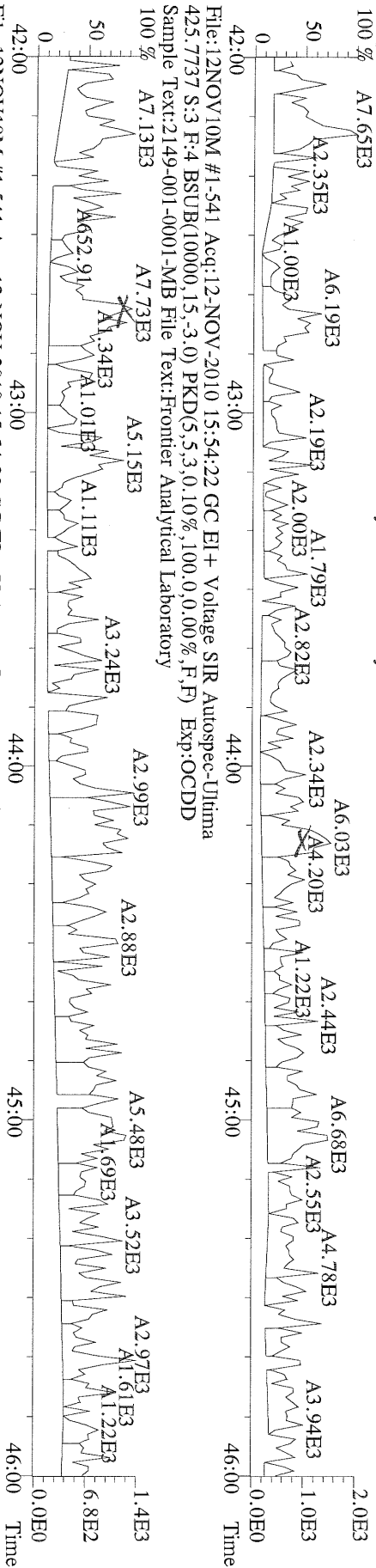
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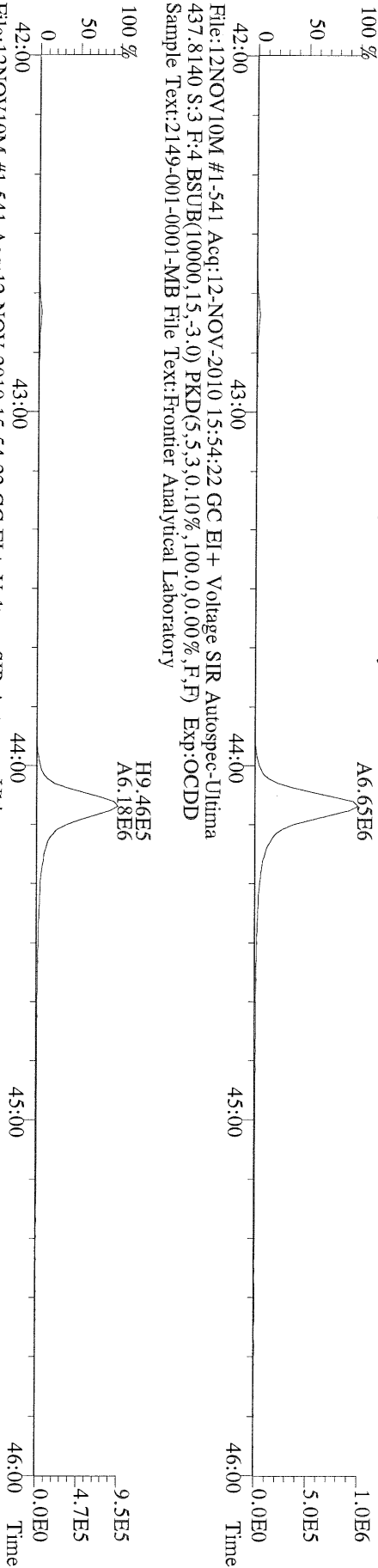
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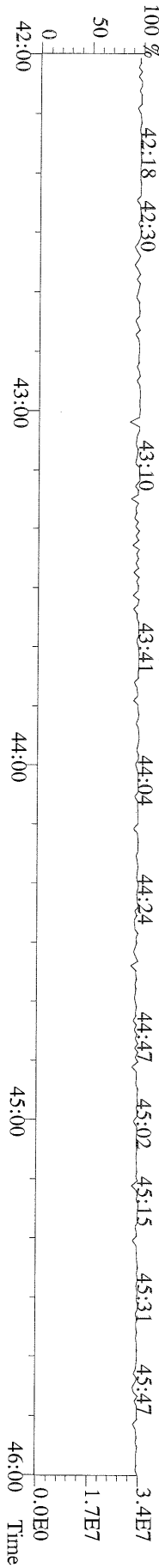
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423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory
100% A7.65E3



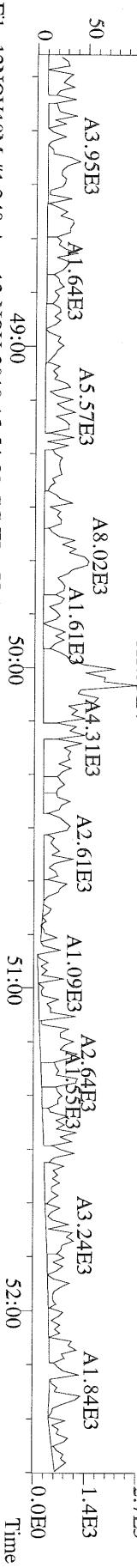
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435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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100%



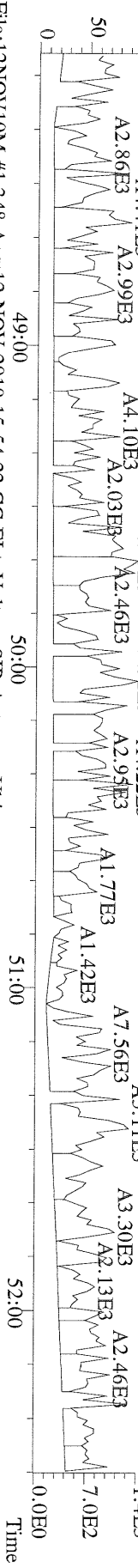
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430.9728 S:3 F:4 Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory
100%



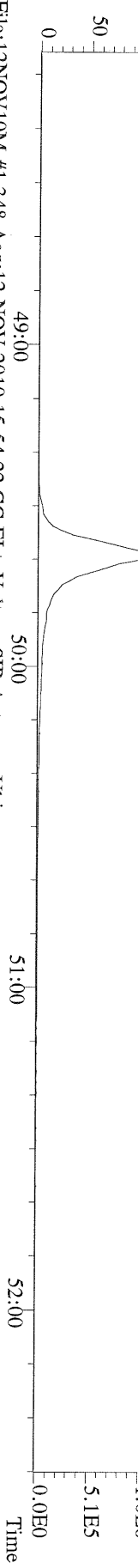
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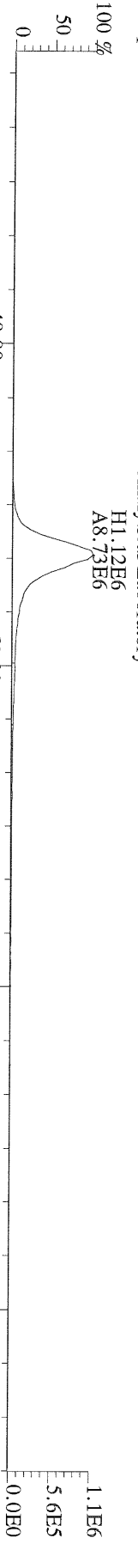
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 459.7348 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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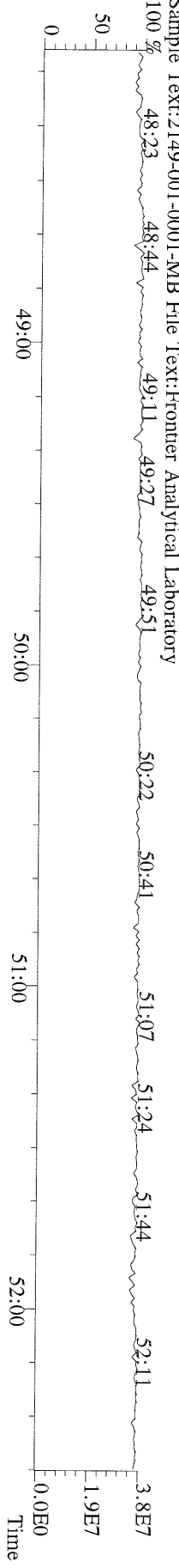
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 469.7780 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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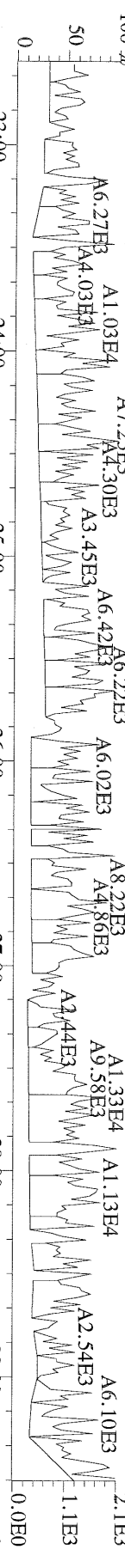
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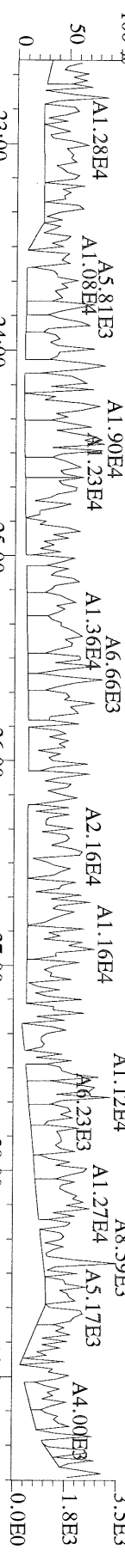
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 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



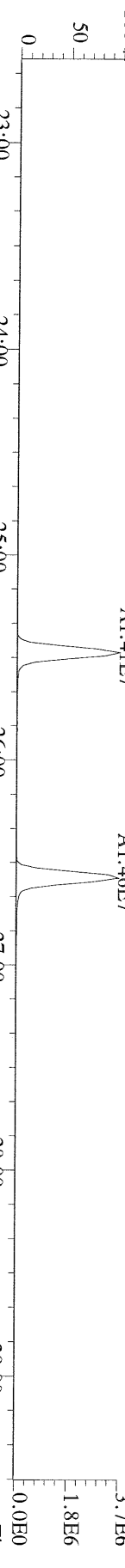
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 303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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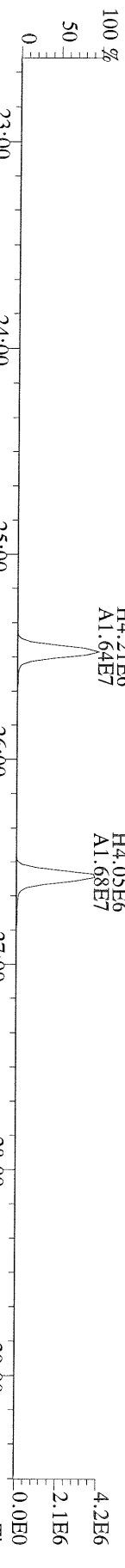
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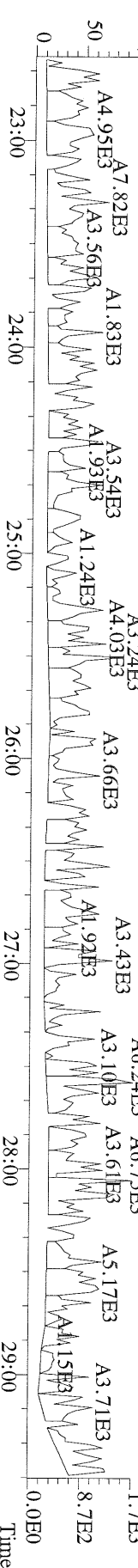
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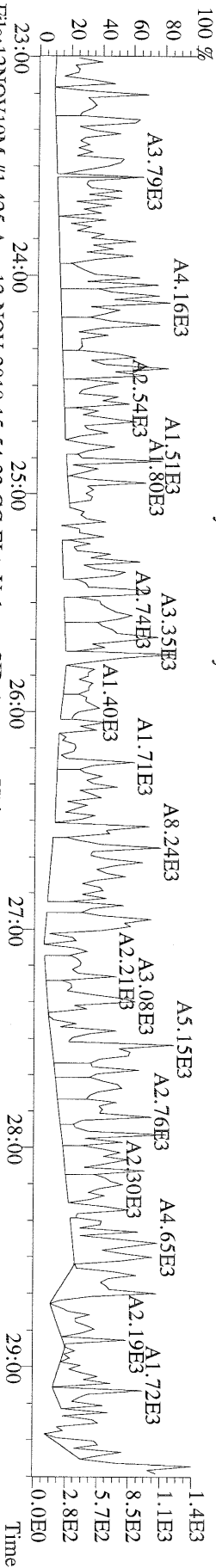
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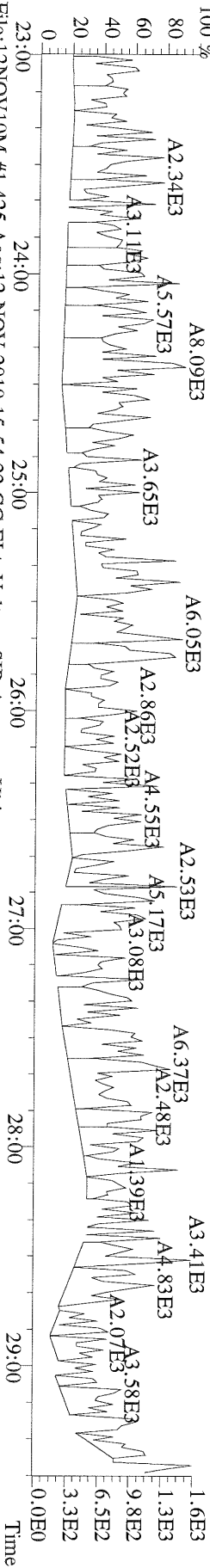
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 375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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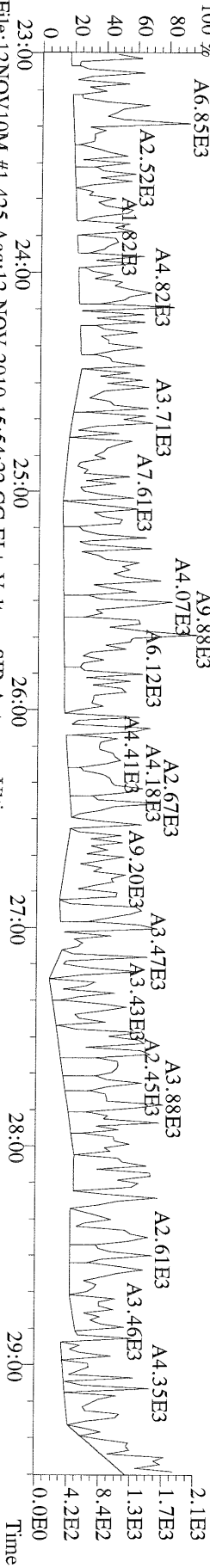
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 339.8597 S:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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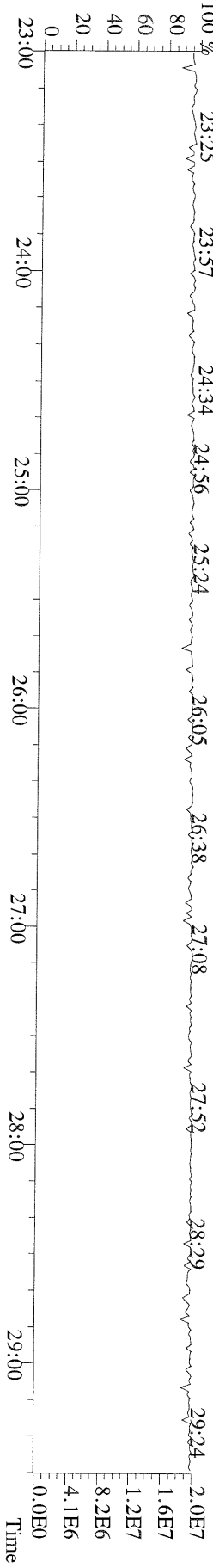
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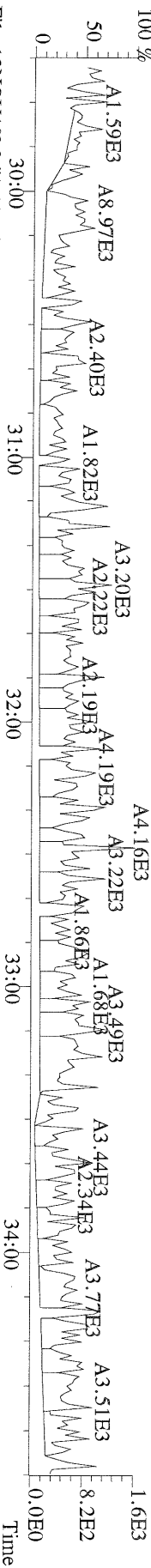
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 409.7974 S:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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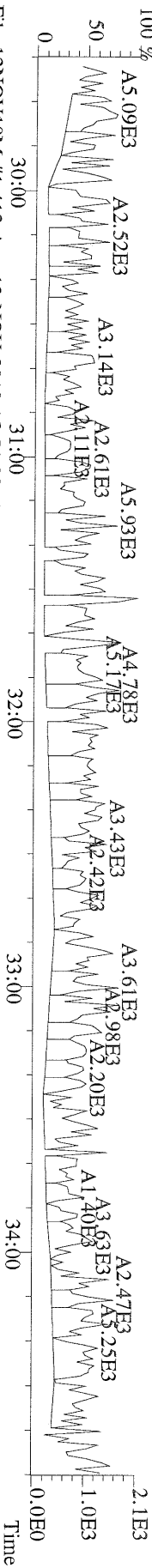
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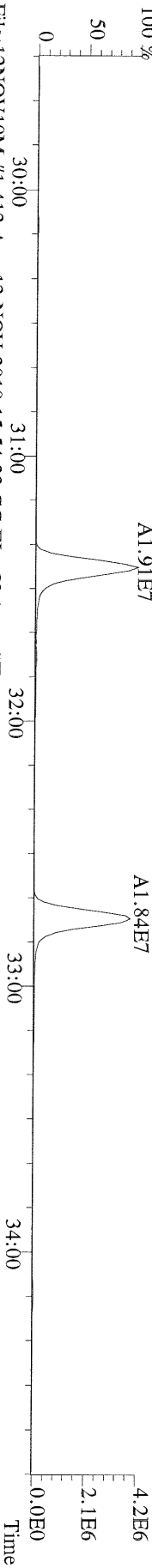
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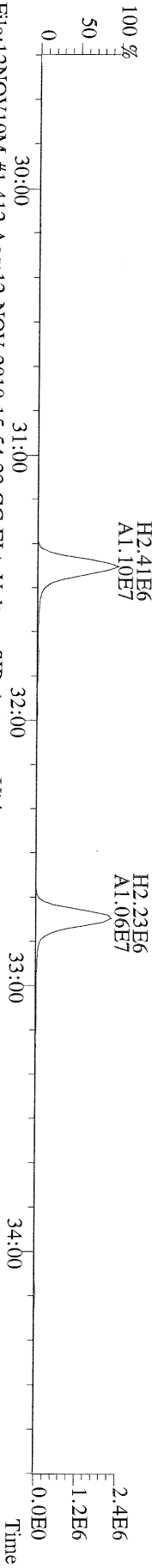
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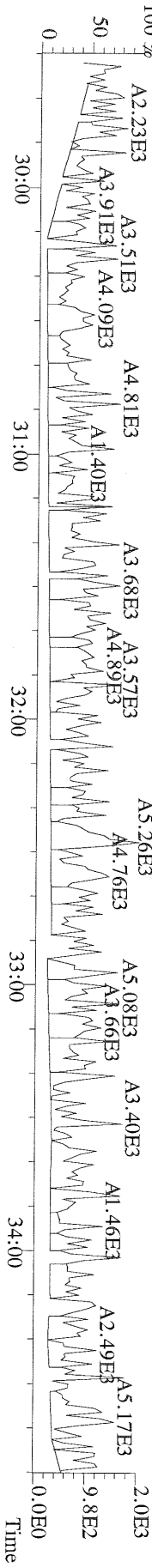
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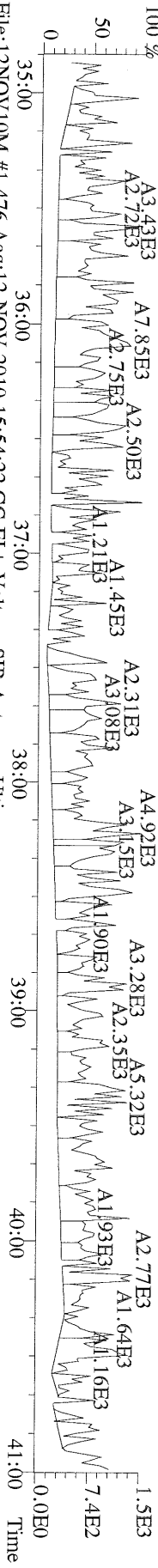
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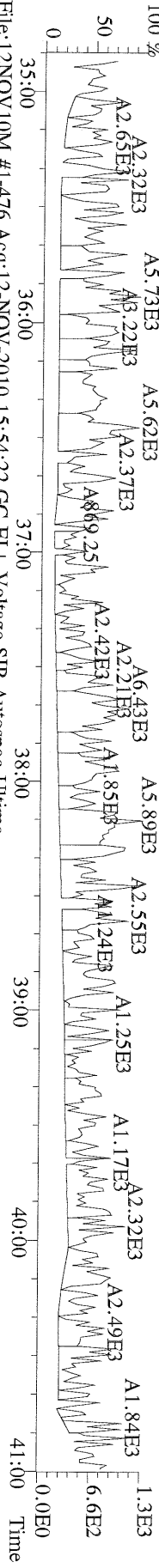
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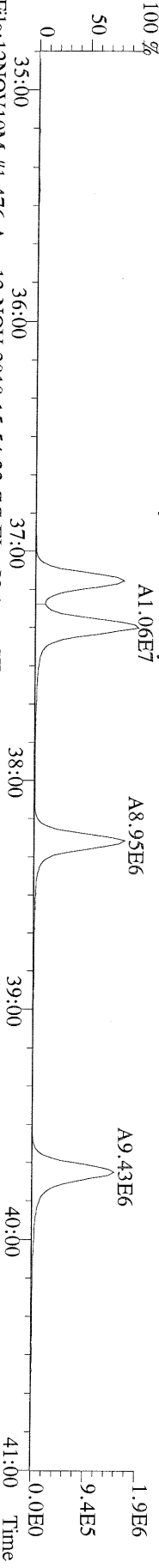
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 373.8207 S:3 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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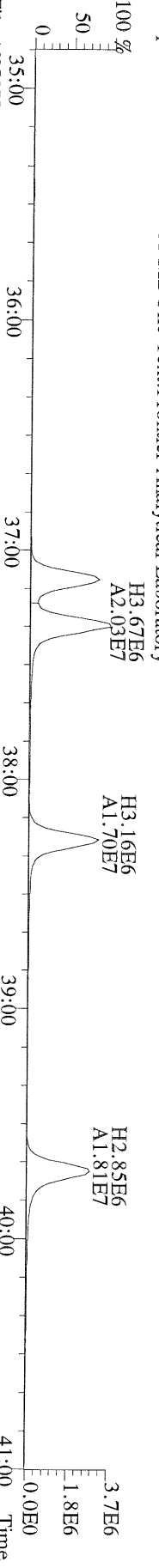
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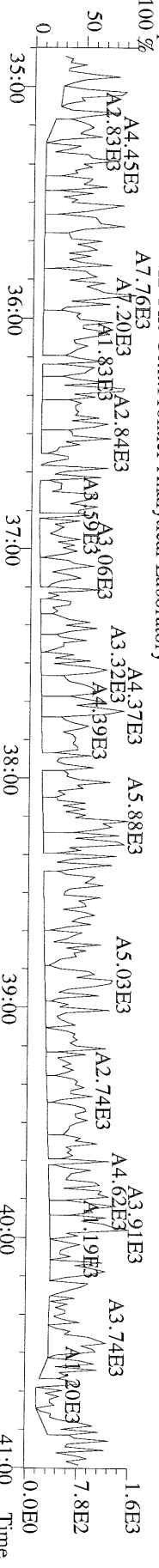
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 383.8639 S:3 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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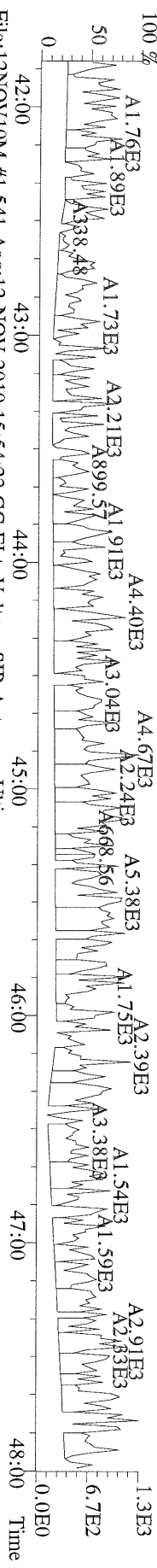
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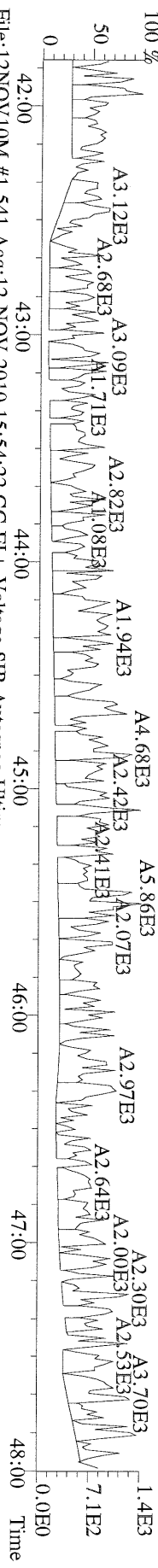
File:12NOV10M #1-476 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:3 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



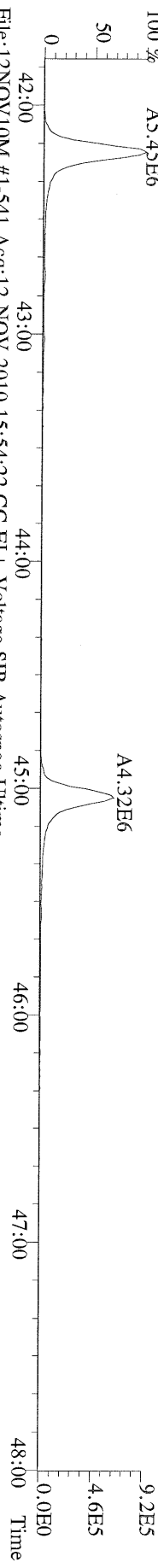
File:12NOV10M #1-541 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



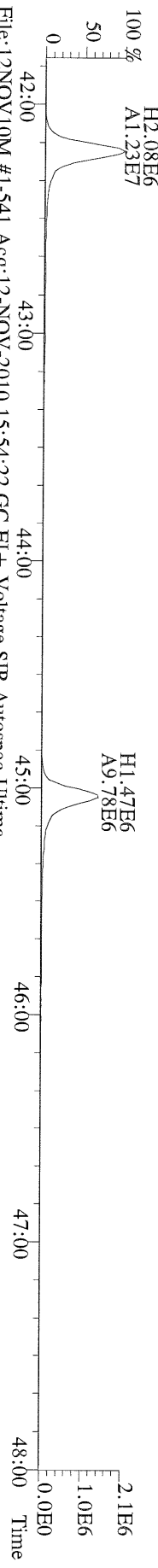
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 409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



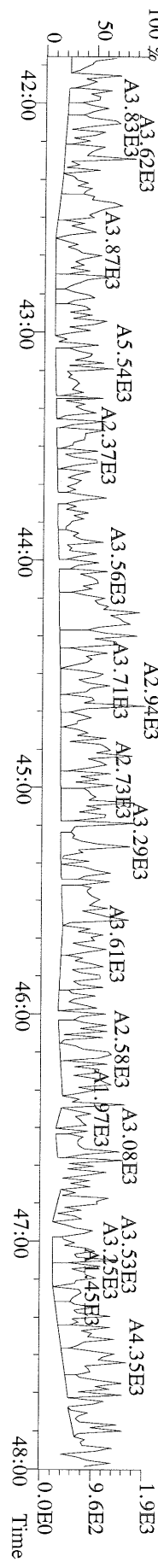
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 417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



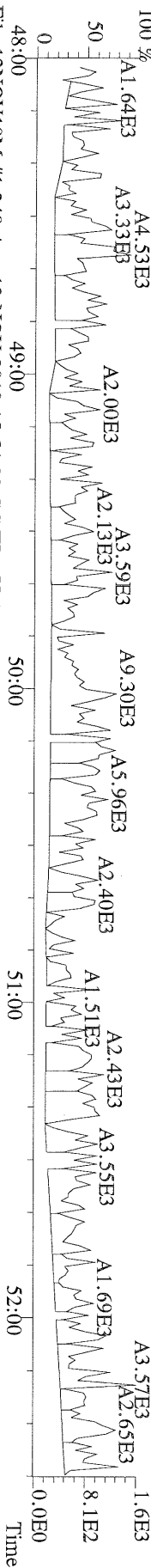
File:12NOV10M #1-541 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
 419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



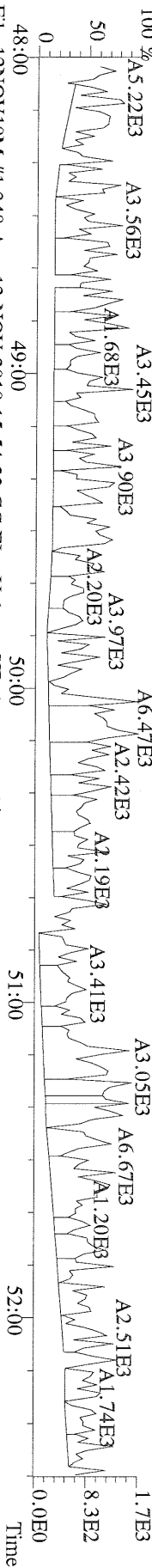
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 479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



File:12NOV10M #1-348 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



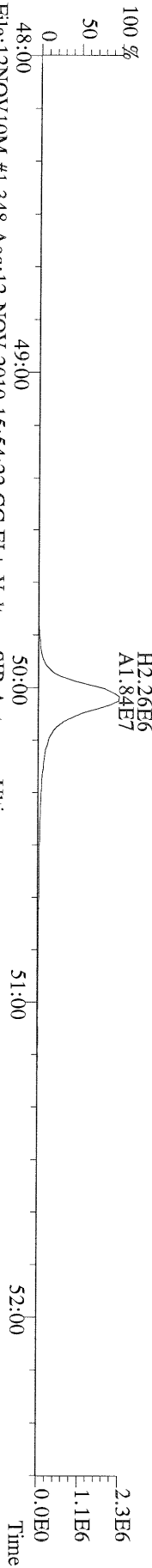
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443.7398 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



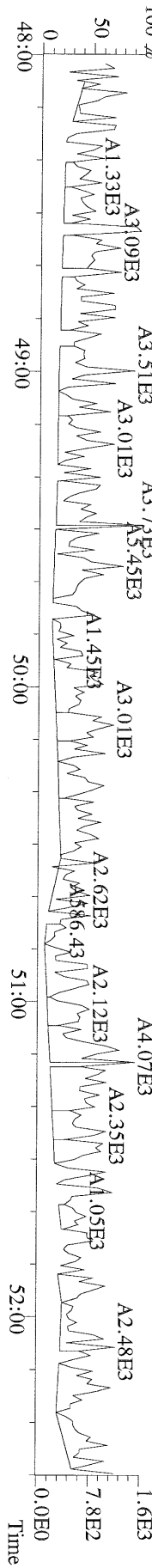
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453.7831 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



File:12NOV10M #1-348 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



File:12NOV10M #1-348 Acq:12-NOV-2010 15:54:22 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-MB File Text:Frontier Analytical Laboratory



2149-001-0001-OPR

USEPA - ITD

FORM 8A
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.:

Matrix (aqueous/solid/leachate): Soil OPR Data Filename: 12NOV10M Sam:2

Ext. Date: 11/3/10 Shift: Day Analysis Date: 12-NOV-10 14:59:04

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
NATIVE ANALYTES			
2,3,7,8-TCDD	10	9.92	6.70 - 15.8 ✓
1,2,3,7,8-PeCDD	50	48.2	35.0 - 71.0 ✓
1,2,3,4,7,8-HxCDD	50	47.6	35.0 - 82.0 ✓
1,2,3,6,7,8-HxCDD	50	49.9	38.0 - 67.0 ✓
1,2,3,7,8,9-HxCDD	50	50.0	32.0 - 81.0 ✓
1,2,3,4,6,7,8-HpCDD	50	46.1	35.0 - 70.0 ✓
OCDD	100	100	78.0 - 144 ✓
2,3,7,8-TCDF	10	9.04	7.50 - 15.8 ✓
1,2,3,7,8-PeCDF	50	53.6	40.0 - 67.0 ✓
2,3,4,7,8-PeCDF	50	54.4	34.0 - 80.0 ✓
1,2,3,4,7,8-HxCDF	50	52.5	36.0 - 67.0 ✓
1,2,3,6,7,8-HxCDF	50	53.9	42.0 - 65.0 ✓
2,3,4,6,7,8-HxCDF	50	54.1	35.0 - 78.0 ✓
1,2,3,7,8,9-HxCDF	50	55.3	39.0 - 65.0 ✓
1,2,3,4,6,7,8-HpCDF	50	47.7	41.0 - 61.0 ✓
1,2,3,4,7,8,9-HpCDF	50	50.4	39.0 - 69.0 ✓
OCDF	100	115	63.0 - 170 ✓

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613

Analyst: Date: 11/15/10

USEPA - ITD

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): Soil OPR Data Filename: 12NOV10M Sam:2

Ext. Date: 11/3/10 Shift: Day Analysis Date: 12-NOV-10 14:59:04

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
LABELED COMPOUNDS			
13C-2,3,7,8-TCDD	100	107	20.0 - 175 ✓
13C-1,2,3,7,8-PeCDD	100	122	21.0 - 227 ✓
13C-1,2,3,4,7,8-HxCDD	100	99.8	21.0 - 193 ✓
13C-1,2,3,6,7,8-HxCDD	100	91.0	25.0 - 163 ✓
13C-1,2,3,4,6,7,8-HpCDD	100	101	26.0 - 166 ✓
13C-OCDD	200	192	26.0 - 397 ✓
13C-2,3,7,8-TCDF	100	106	22.0 - 152 ✓
13C-1,2,3,7,8-PeCDF	100	122	21.0 - 192 ✓
13C-2,3,4,7,8-PeCDF	100	121	13.0 - 328 ✓
13C-1,2,3,4,7,8-HxCDF	100	92.4	19.0 - 202 ✓
13C-1,2,3,6,7,8-HxCDF	100	86.8	21.0 - 159 ✓
13C-2,3,4,6,7,8-HxCDF	100	85.5	22.0 - 176 ✓
13C-1,2,3,7,8,9-HxCDF	100	95.6	17.0 - 205 ✓
13C-1,2,3,4,6,7,8-HpCDF	100	104	21.0 - 158 ✓
13C-1,2,3,4,7,8,9-HpCDF	100	140	20.0 - 186 ✓
13C-OCDF	200	213	26.0 - 397 ✓
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	39.7	12.4 - 76.4 ✓

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613
Labeled compound concentration limits are based on required percent recovery of 25%-150%.

Analyst: _____

Date: _____

FAL ID: 2149-001-0001-OPR Filename: 12NOV10M Sam:2 Acquired: 12-NOV-10 14:59:04 ICal: PCDDFAL3-8-23-10
 Client ID: OPR ConCal: ST111210M1 EndCal: ST111210M2
 Results: 2155 GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 103
 WHO 1998 Tox: 127 WHO 2005 Tox:

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	115 DL
2,3,7,8-TCDD	2.32e+06	0.76 y	27:21	1.11	9.92		2.50	-	*
1,2,3,7,8-PeCDD	1.05e+07	1.71 y	33:11	1.10	48.2		2.50	-	*
1,2,3,4,7,8-HxCDD	1.17e+07	1.26 y	38:32	1.37	47.6		2.50	-	*
1,2,3,6,7,8-HxCDD	1.05e+07	1.26 y	38:42	1.37	49.9		2.50	-	*
1,2,3,7,8,9-HxCDD	1.13e+07	1.25 y	39:09	1.36	50.0		2.50	-	*
1,2,3,4,6,7,8-HpCDD	9.65e+06	1.10 y	44:08	1.45	46.1		2.50	-	*
OCDD	1.26e+07	0.92 y	49:41	1.43	100		2.50	-	*
2,3,7,8-TCDF	4.71e+06	0.76 y	26:36	1.50	9.04		2.50	-	*
1,2,3,7,8-PeCDF	1.70e+07	1.54 y	31:27	0.94	53.6		2.50	-	*
2,3,4,7,8-PeCDF	1.65e+07	1.51 y	32:46	0.94	54.4		2.50	-	*
1,2,3,4,7,8-HxCDF	1.39e+07	1.19 y	37:09	0.93	52.5		2.50	-	*
1,2,3,6,7,8-HxCDF	1.63e+07	1.17 y	37:21	0.82	53.9		2.50	-	*
2,3,4,6,7,8-HxCDF	1.43e+07	1.16 y	38:17	0.92	54.1		2.50	-	*
1,2,3,7,8,9-HxCDF	1.79e+07	1.17 y	39:44	1.00	55.3		2.50	-	*
1,2,3,4,6,7,8-HpCDF	1.27e+07	1.06 y	42:14	1.39	47.7		2.50	-	*
1,2,3,4,7,8,9-HpCDF	1.29e+07	1.07 y	45:04	1.36	50.4		2.50	-	*
OCDF	1.73e+07	0.88 y	50:03	0.79	115		2.50	-	*

13C-2,3,7,8-TCDD	2.11e+07	0.80 y	27:19	1.02	107				Rec 107
13C-1,2,3,7,8-PeCDD	1.99e+07	1.74 y	33:10	0.84	122				122
13C-1,2,3,4,7,8-HxCDD	1.79e+07	1.23 y	38:31	1.07	99.8				99.8
13C-1,2,3,6,7,8-HxCDD	1.54e+07	1.22 y	38:41	1.01	91.0				91.0
13C-1,2,3,4,6,7,8-HpCDD	1.44e+07	1.06 y	44:07	0.86	101				101
13C-OCDD	1.75e+07	0.91 y	49:39	0.55	192				95.9

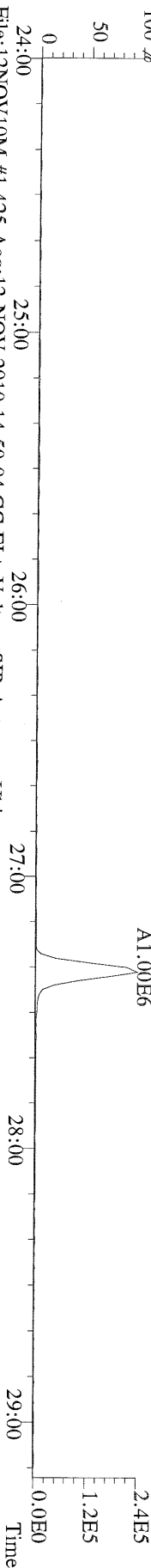
13C-2,3,7,8-TCDF	3.47e+07	0.84 y	26:35	0.99	106				106
13C-1,2,3,7,8-PeCDF	3.36e+07	1.75 y	31:25	0.84	122				122
13C-2,3,4,7,8-PeCDF	3.24e+07	1.76 y	32:45	0.81	121				121
13C-1,2,3,4,7,8-HxCDF	2.86e+07	0.52 y	37:08	1.85	92.4				92.4
13C-1,2,3,6,7,8-HxCDF	3.68e+07	0.52 y	37:19	2.54	86.8				86.8
13C-2,3,4,6,7,8-HxCDF	2.88e+07	0.53 y	38:16	2.01	85.5				85.5
13C-1,2,3,7,8,9-HxCDF	3.25e+07	0.52 y	39:43	2.03	95.6				95.6
13C-1,2,3,4,6,7,8-HpCDF	1.92e+07	0.44 y	42:12	1.11	104				104
13C-1,2,3,4,7,8,9-HpCDF	1.89e+07	0.44 y	45:03	0.80	140				140
13C-OCDF	3.85e+07	0.95 y	50:02	1.08	213				106

37Cl-2,3,7,8-TCDD	5.25e+06		27:21	0.69	39.7				99.2
13C-1,2,3,4-TCDD	1.93e+07	0.87 y	26:45	-	43.0				
13C-1,2,3,4-TCDF	3.30e+07	0.85 y	25:29	-	45.6				
13C-1,2,3,7,8,9-HxCDD	1.67e+07	1.18 y	39:08	-	60.6				

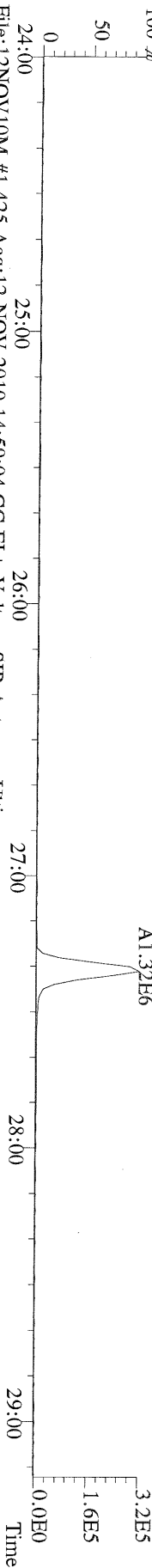
						Fac Noise-1	Noise-2	DL	#Hom
Total Tetra-Dioxins	2.69e+06		22:39	1.11	11.5	2.50	-	*	43
Total Penta-Dioxins	1.06e+07		33:11	1.10	48.5	2.50	-	*	11
Total Hexa-Dioxins	3.37e+07		38:32	1.37	148	2.50	-	*	6
Total Hepta-Dioxins	9.97e+06		42:27	1.45	47.7	2.50	-	*	13
Total Tetra-Furans	5.19e+06		22:46	1.50	9.96	2.50	-	*	34
1st Fn. Tot Penta-Furans	2.61e+05		22:48	0.94	0.843	2.50	-	*	PeCDF 37
Total Penta-Furans	3.43e+07		30:11	0.94	111	2.50	-	*	111 15
Total Hexa-Furans	6.25e+07		35:27	0.91	216	2.50	-	*	7
Total Hepta-Furans	2.63e+07		42:14	1.38	101	2.50	-	*	5

Analyst: *[Signature]* Date: 11/15/10

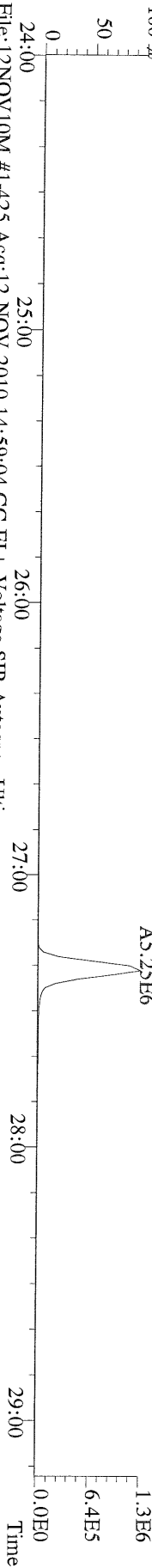
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319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



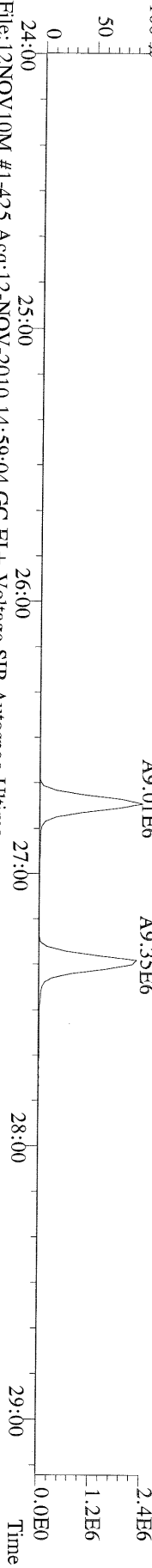
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321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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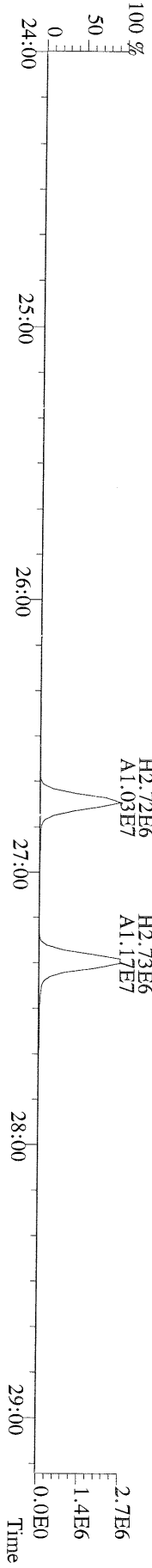
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



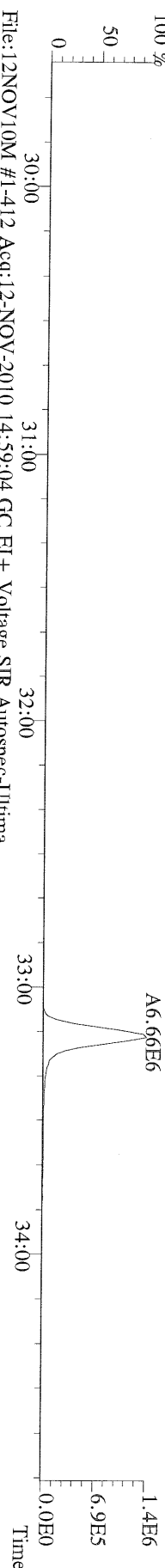
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



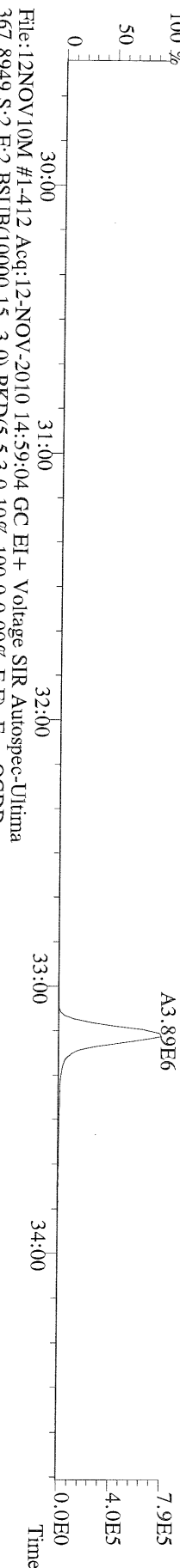
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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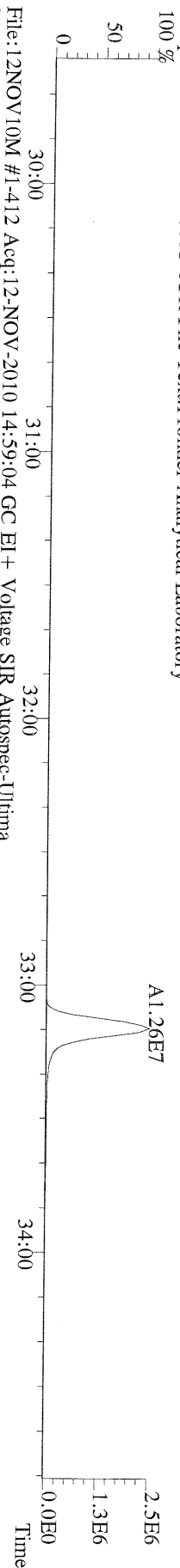
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



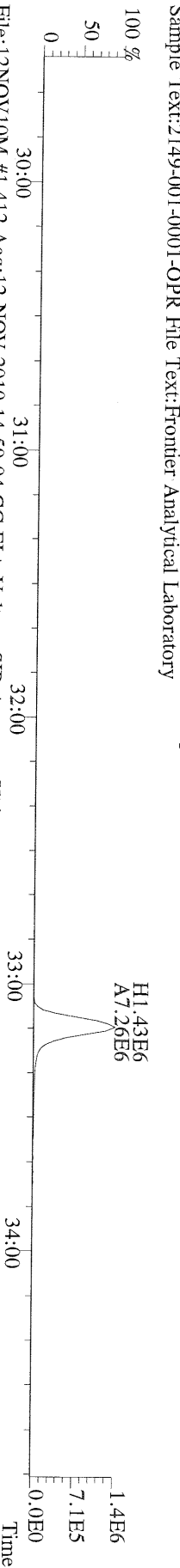
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



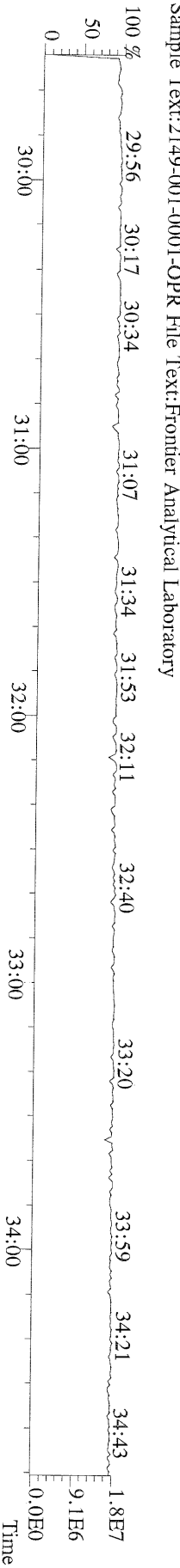
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



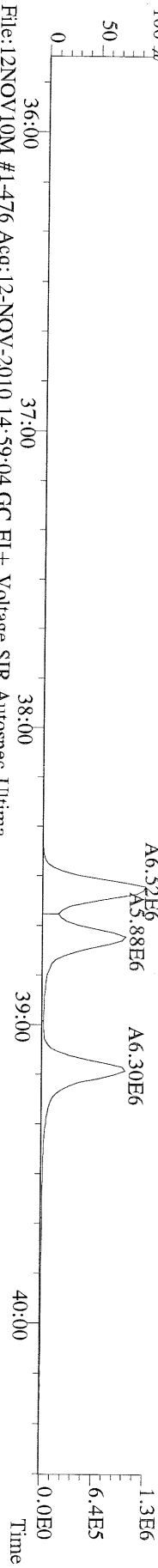
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



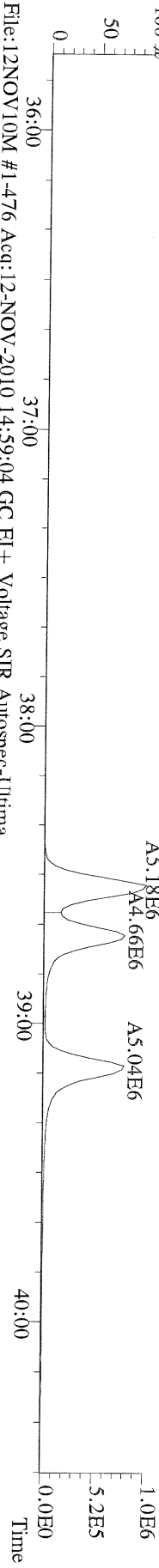
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



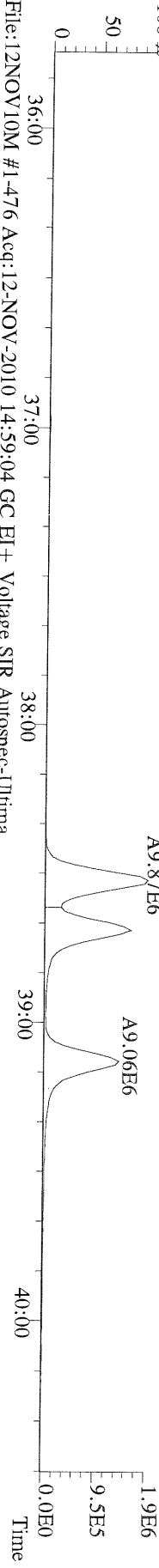
File:12NOV10M #1-476 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



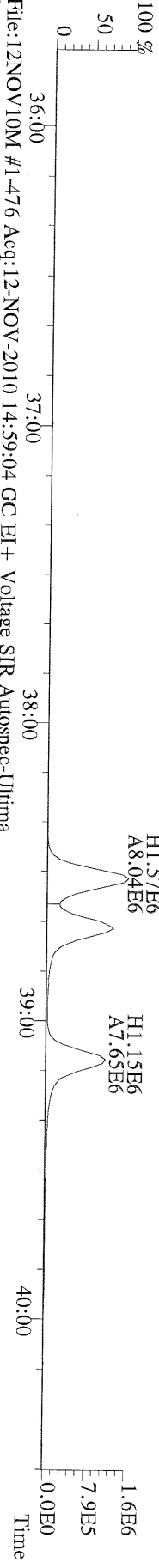
File:12NOV10M #1-476 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



File:12NOV10M #1-476 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



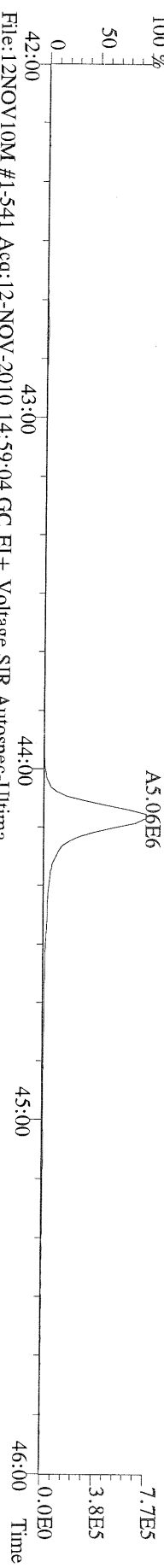
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403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



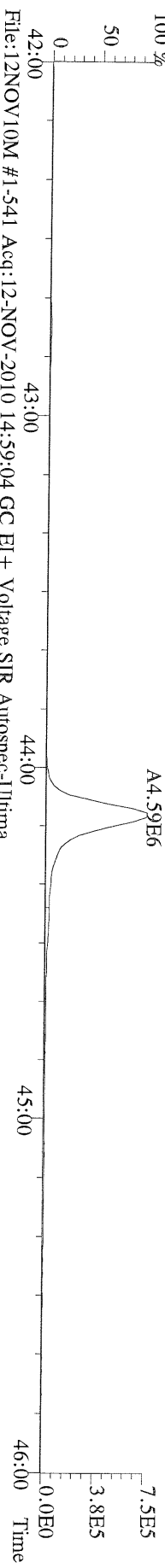
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380.9760 S:2 F:3 Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



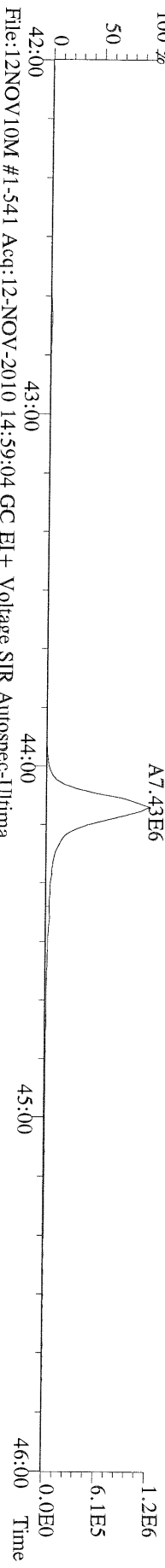
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423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



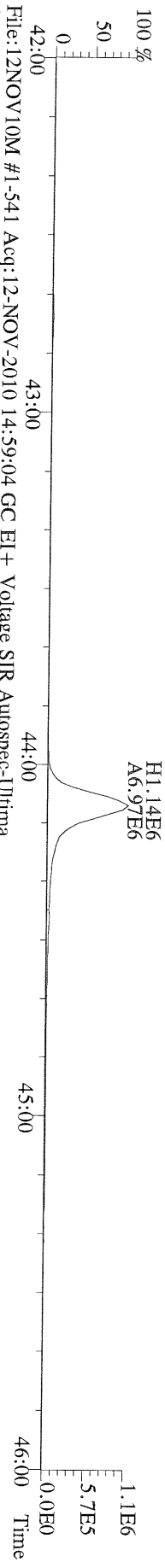
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425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



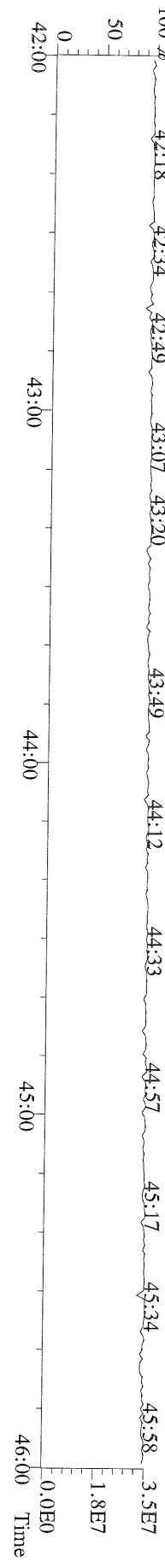
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435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



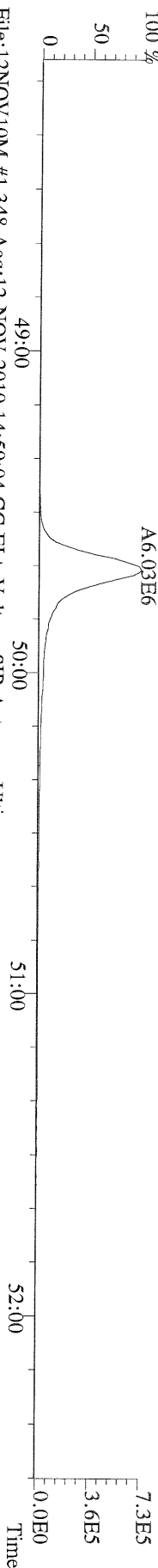
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437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



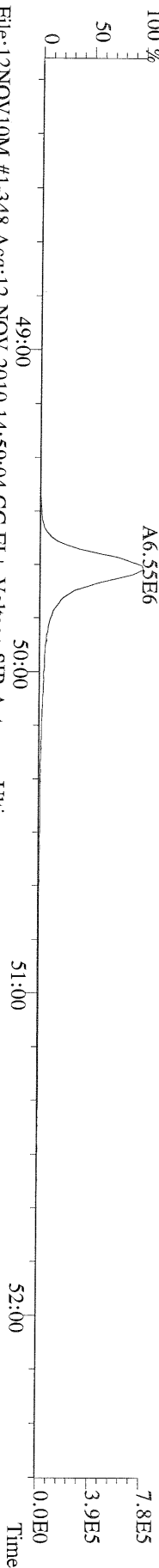
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI + Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



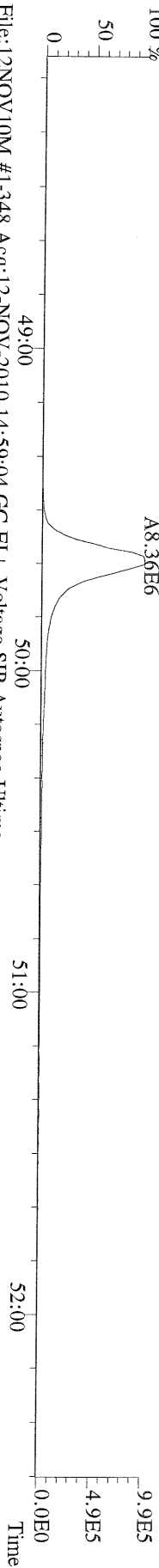
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



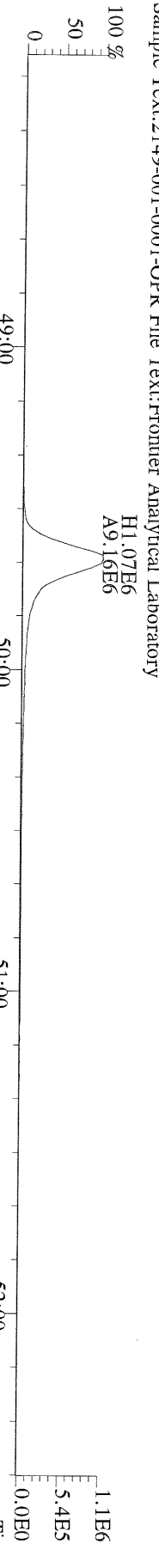
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459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



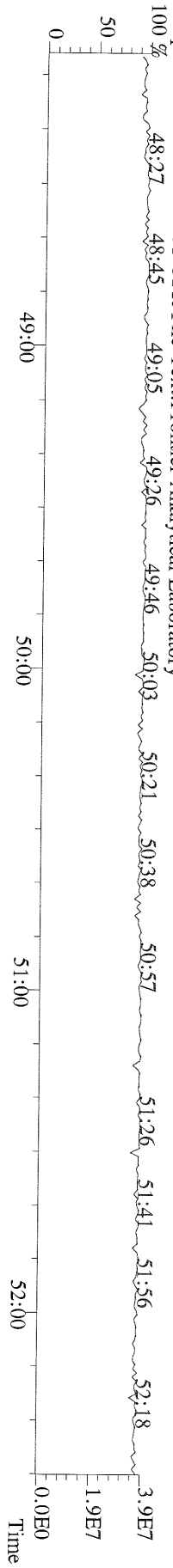
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469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



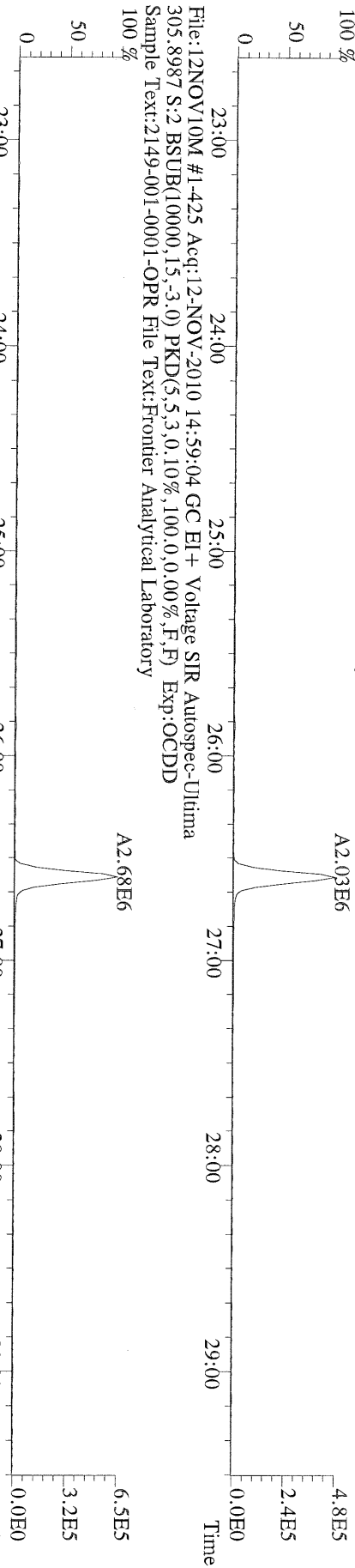
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471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



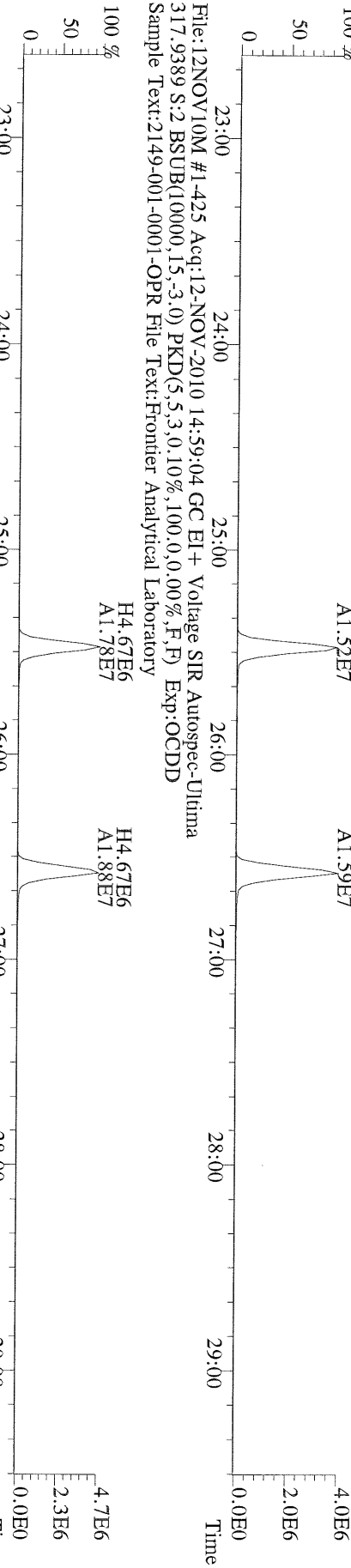
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



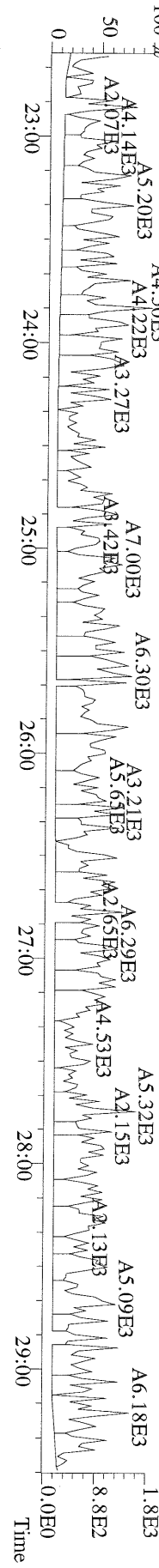
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



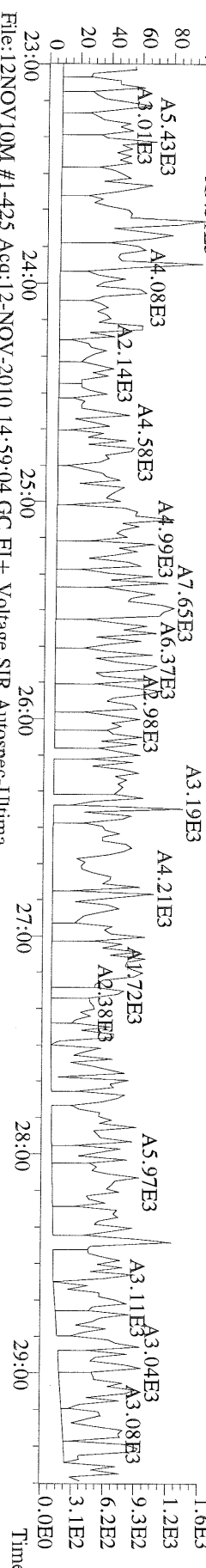
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



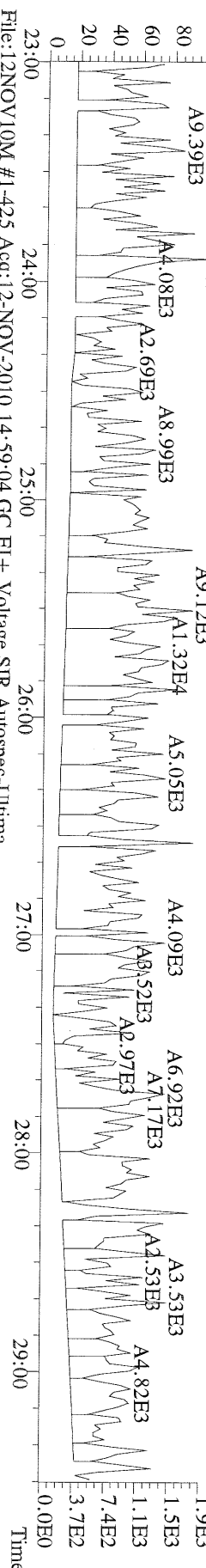
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 317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



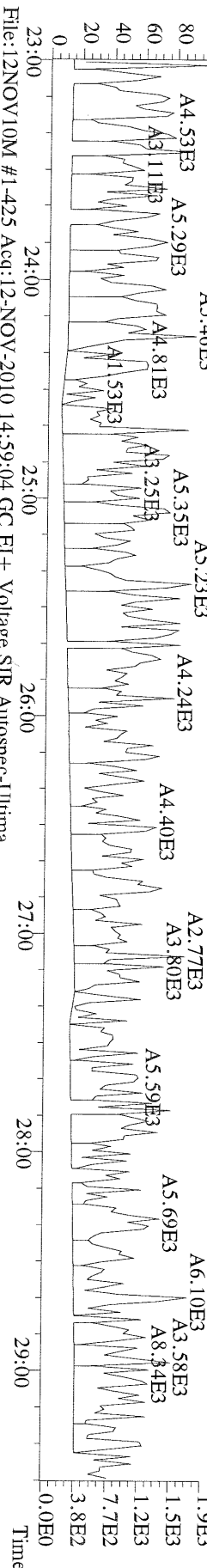
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



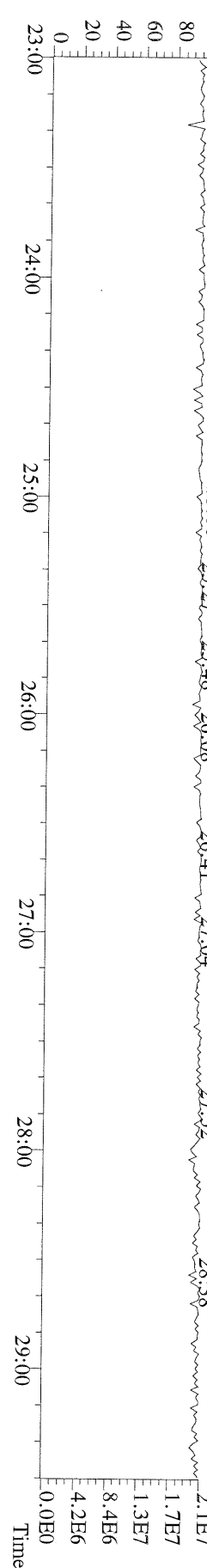
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



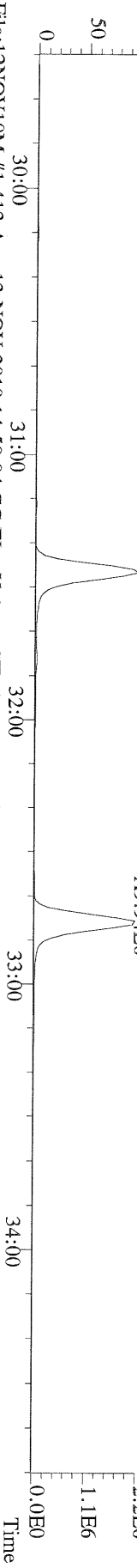
File:12NOV10M #1-425 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



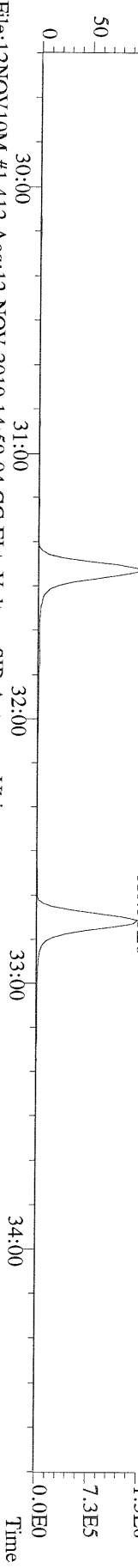
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 316.9824 S:2 Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



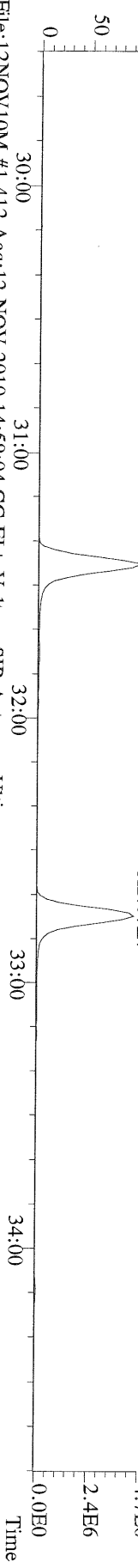
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 339.8597 S:2 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



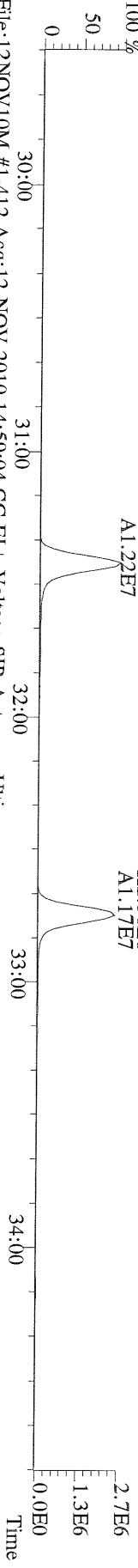
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:2 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



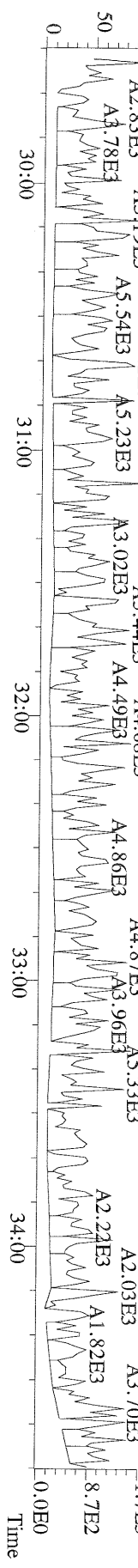
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:2 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



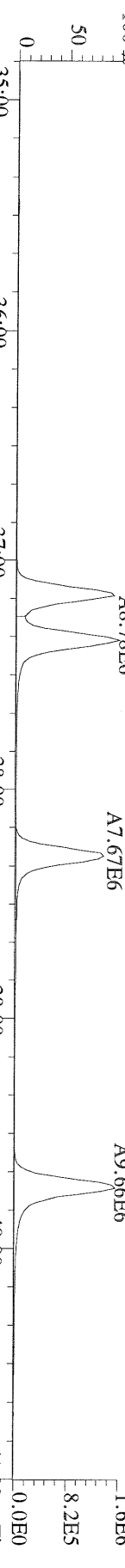
File:12NOV10M #1-412 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:2 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



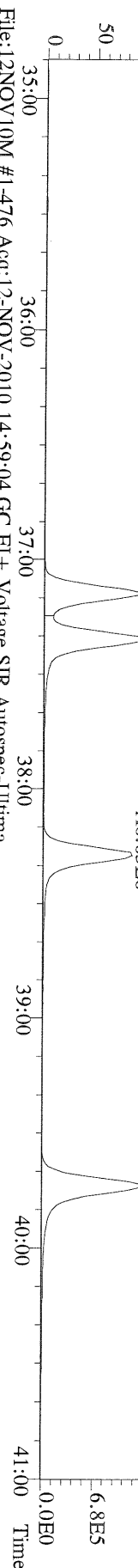
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 409.7974 S:2 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



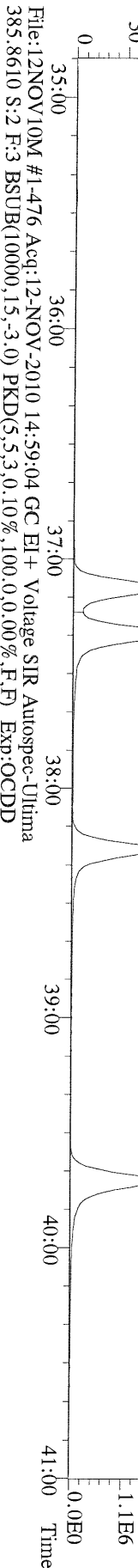
File:12NOV10M #1-476 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:2 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



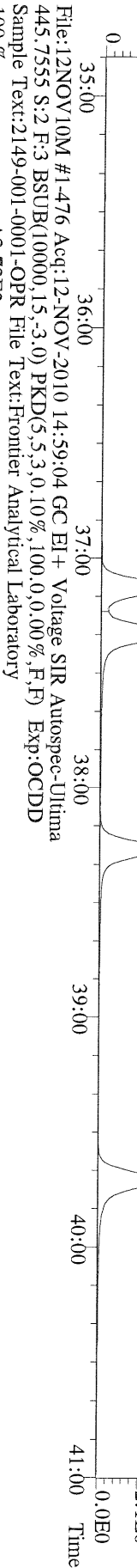
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 375.8178 S:2 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



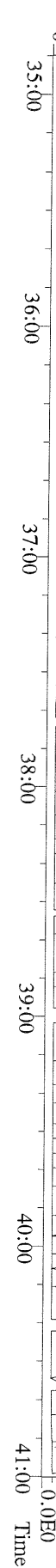
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 383.8639 S:2 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



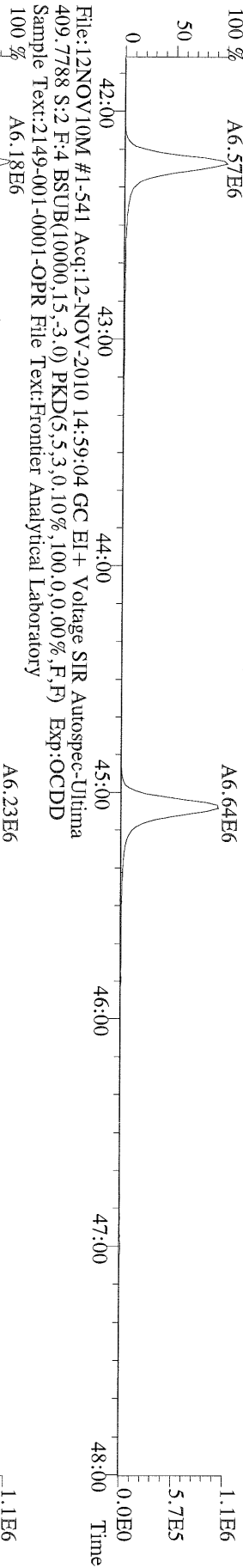
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 385.8610 S:2 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



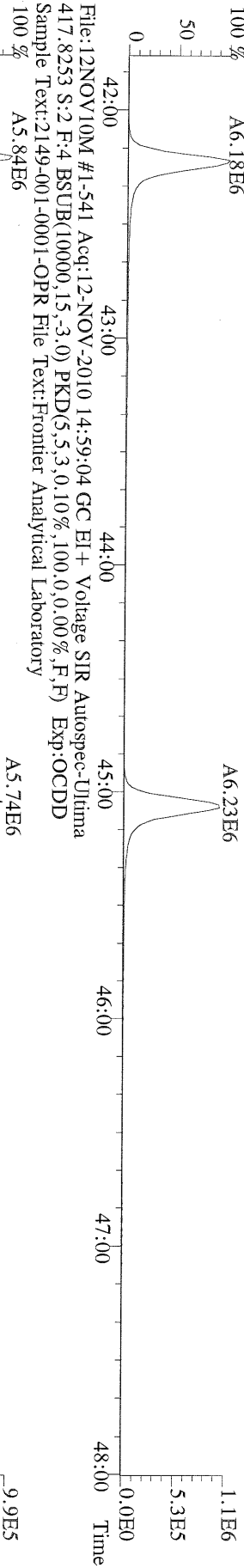
File:12NOV10M #1-476 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:2 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



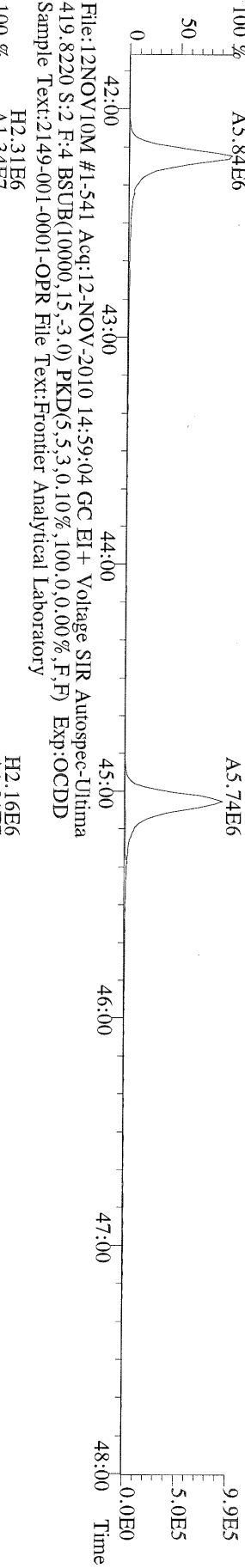
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 % A6.57E6



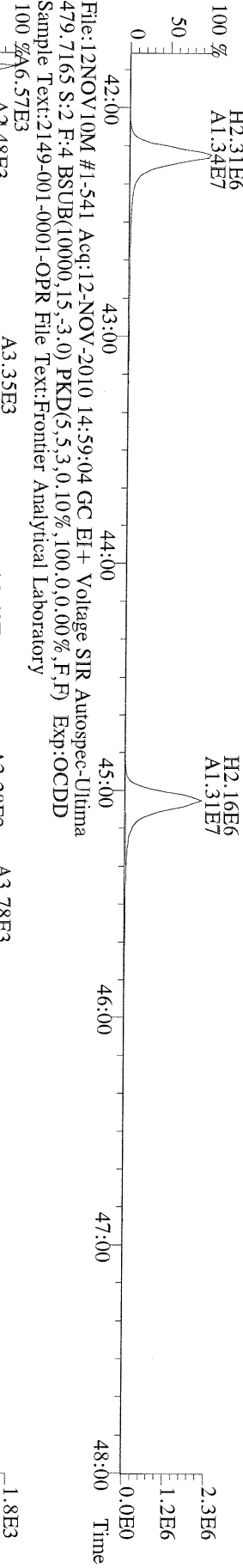
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 % A6.18E6



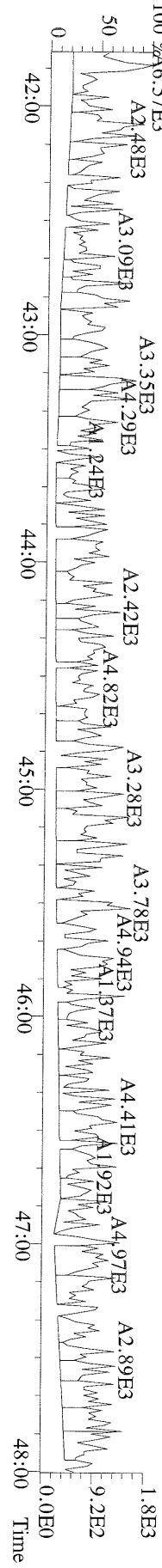
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 % A5.84E6



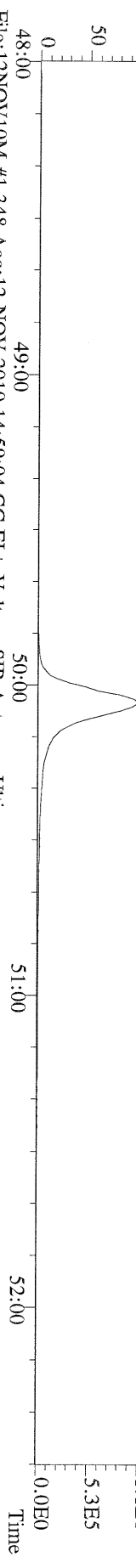
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 % H2.31E6
A1.34E7



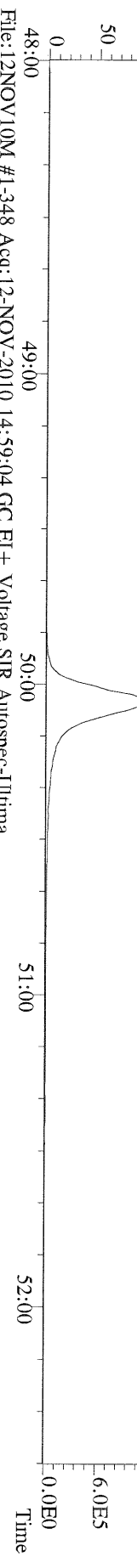
File:12NOV10M #1-541 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 % A2.48E3
A3.09E3
A3.35E3
A4.29E3
A1.24E3
A2.42E3
A4.82E3
A3.28E3
A3.78E3
A4.94E3
A1.137E3
A4.41E3
A1.192E3
A4.97E3
A2.89E3



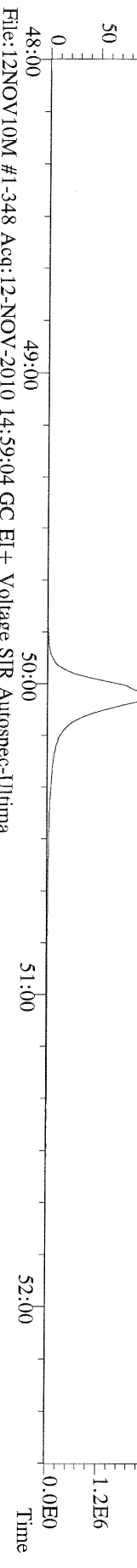
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



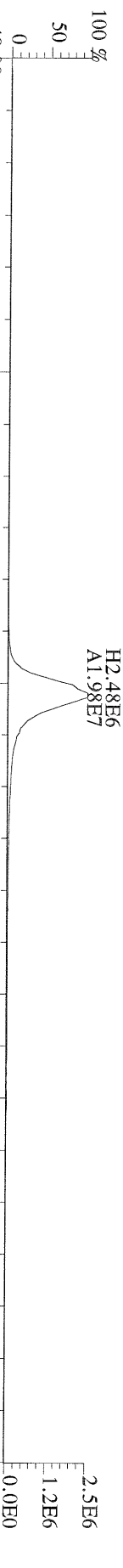
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



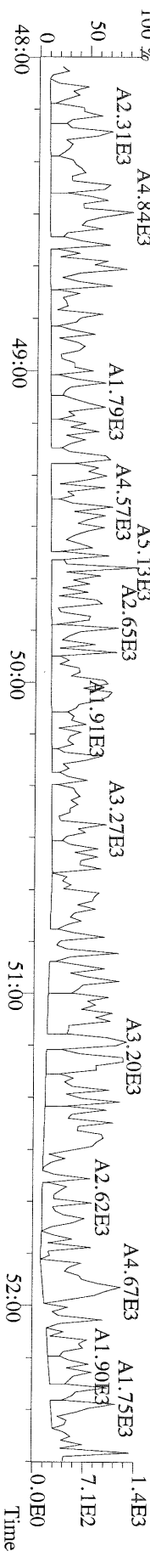
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



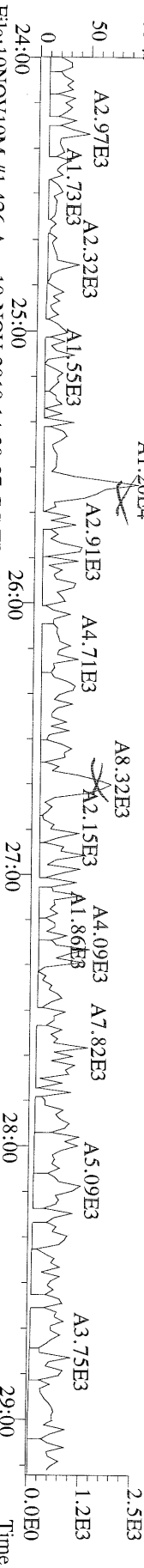
File:12NOV10M #1-348 Acq:12-NOV-2010 14:59:04 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2149-001-0001-OPR File Text:Frontier Analytical Laboratory



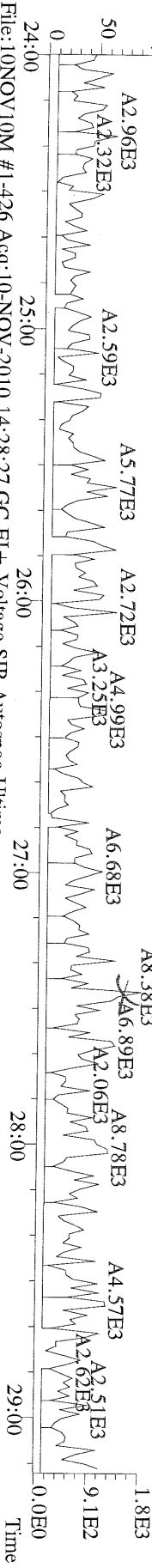
Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	475	436	0.130	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	522	306	0.141	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	618	420	0.168	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	618	420	0.221	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	618	420	0.194	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*		2.50	548	382	0.178	
OCDD	*	* n	NotFnd	1.43	*		2.50	297	346	0.214	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	732	1040	0.115	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	335	559	0.103	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	335	559	0.104	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	471	381	0.129	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	471	381	0.123	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	471	381	0.129	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	471	381	0.114	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*		2.50	326	356	0.108	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	326	356	0.134	
OCDF	*	* n	NotFnd	0.79	*		2.50	395	498	0.297	
										Rec	
13C-2,3,7,8-TCDD	2.44e+07	0.74	y	27:25	1.02	404				101	
13C-1,2,3,7,8-PeCDD	2.49e+07	1.72	y	33:16	0.84	503				126	
13C-1,2,3,4,7,8-HxCDD	2.14e+07	1.23	y	38:38	1.07	395				98.8	
13C-1,2,3,6,7,8-HxCDD	1.82e+07	1.23	y	38:47	1.01	357				89.3	
13C-1,2,3,4,6,7,8-HpCDD	1.98e+07	1.08	y	44:14	0.86	459				115	
13C-OCDD	2.94e+07	0.92	y	49:47	0.55	1070				133	
13C-2,3,7,8-TCDF	4.12e+07	0.88	y	26:41	0.99	408				102	
13C-1,2,3,7,8-PeCDF	4.16e+07	1.68	y	31:32	0.84	488				122	
13C-2,3,4,7,8-PeCDF	4.13e+07	1.66	y	32:51	0.81	501				125	
13C-1,2,3,4,7,8-HxCDF	3.42e+07	0.53	y	37:14	1.85	366				91.5	
13C-1,2,3,6,7,8-HxCDF	4.18e+07	0.53	y	37:26	2.54	327				81.7	
13C-2,3,4,6,7,8-HxCDF	3.48e+07	0.53	y	38:23	2.01	343				85.6	
13C-1,2,3,7,8,9-HxCDF	4.17e+07	0.53	y	39:49	2.03	407				102	
13C-1,2,3,4,6,7,8-HpCDF	2.50e+07	0.42	y	42:19	1.11	447				112	
13C-1,2,3,4,7,8,9-HpCDF	2.14e+07	0.43	y	45:09	0.80	527				132	
13C-OCDF	5.37e+07	0.95	y	50:10	1.08	982				123	
37Cl-2,3,7,8-TCDD	6.92e+06			27:26	0.69	171				107	
13C-1,2,3,4-TCDD	2.36e+07	0.75	y	26:51	-	10.5					
13C-1,2,3,4-TCDF	4.06e+07	0.87	y	25:35	-	11.2					
13C-1,2,3,7,8,9-HxCDD	2.02e+07	1.22	y	39:14	-	14.6					
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	475	436	0.130	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	522	306	0.141	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	618	420	0.221	0
Total Hepta-Dioxins	*		NotFnd	1.45	*		2.50	548	382	0.178	0
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	732	1040	0.115	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	335	559	0.104	PeCDF 0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	335	559	0.104	0.00 0
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	471	381	0.129	0
Total Hepta-Furans	*		NotFnd	1.38	*		2.50	326	356	0.134	0

Analyst: J Date: 11/10/10

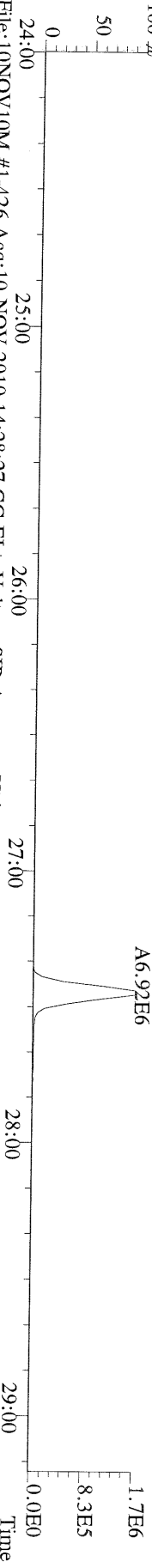
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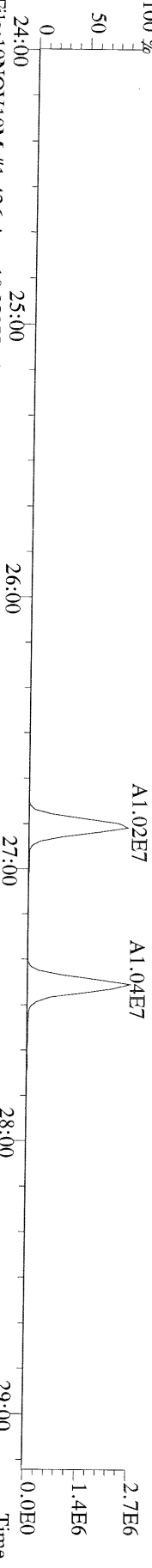
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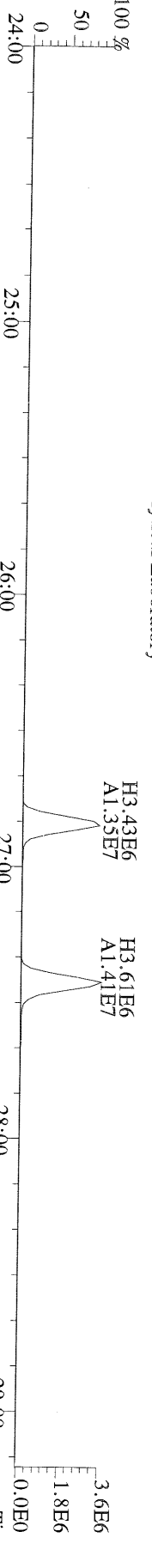
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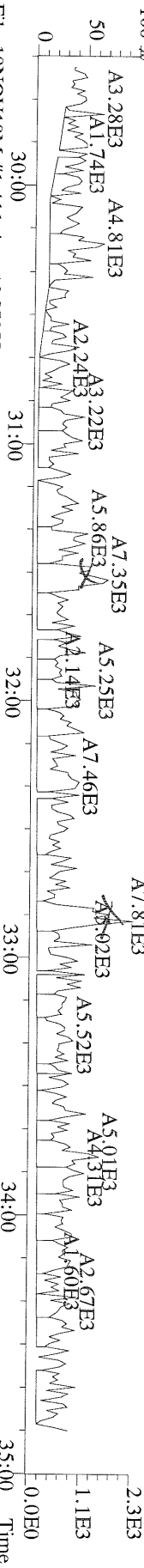
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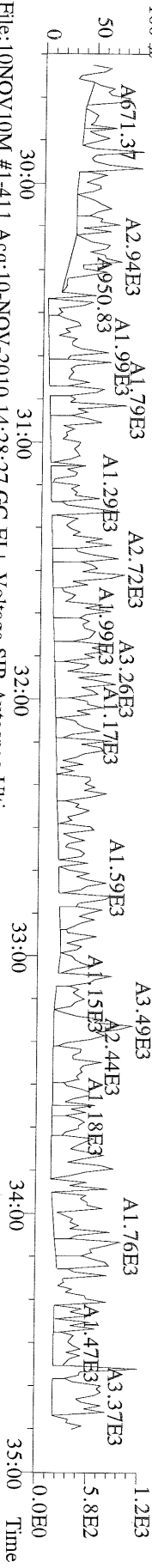
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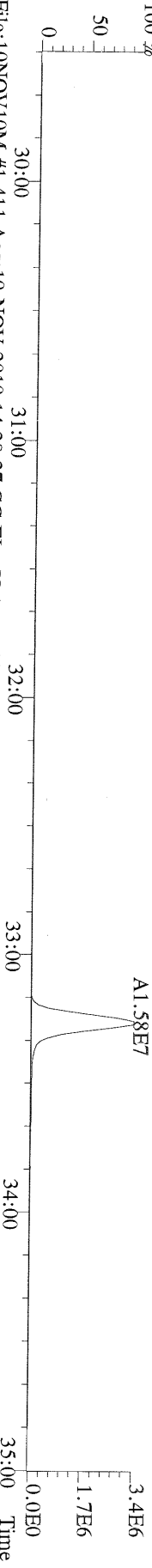
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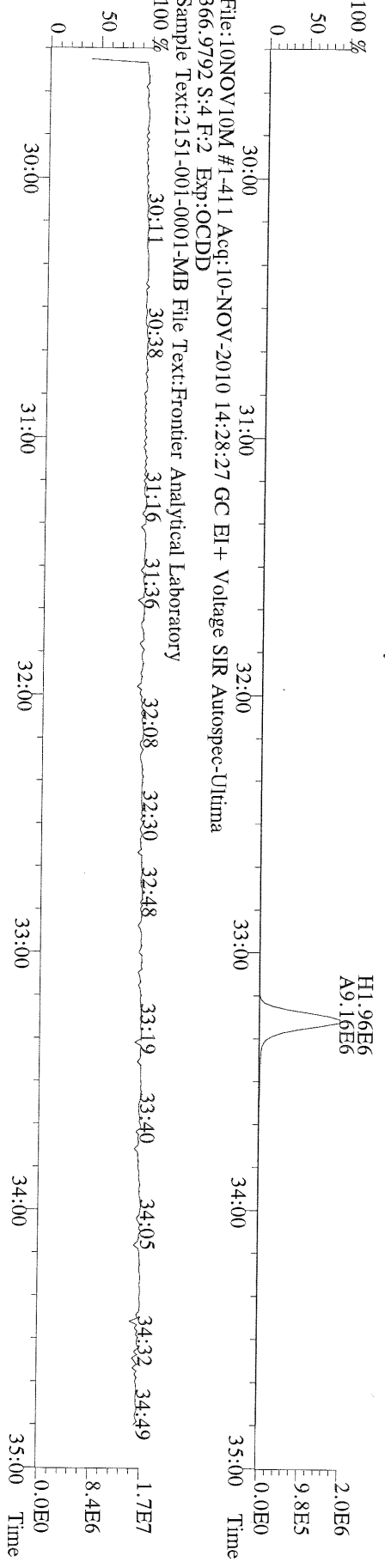
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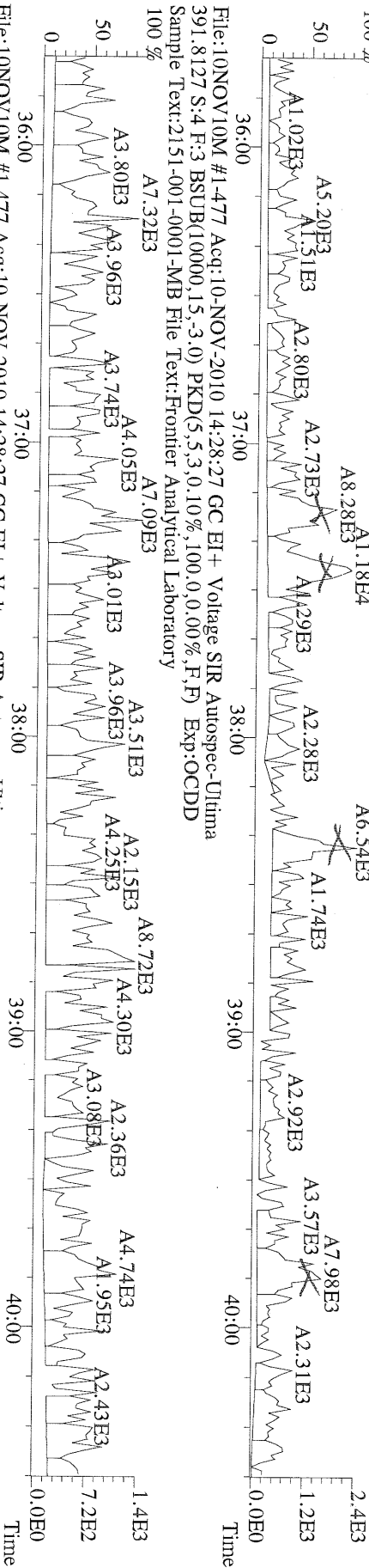
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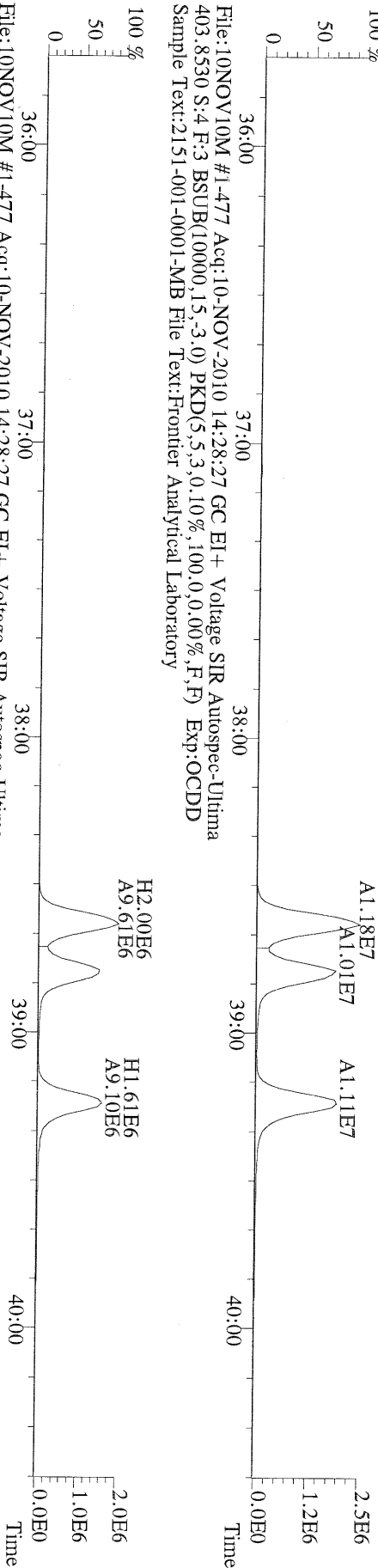
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Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



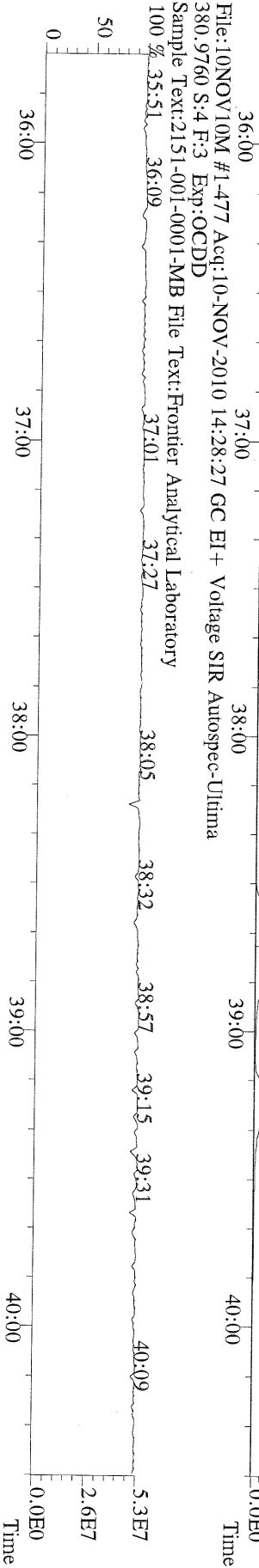
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Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory

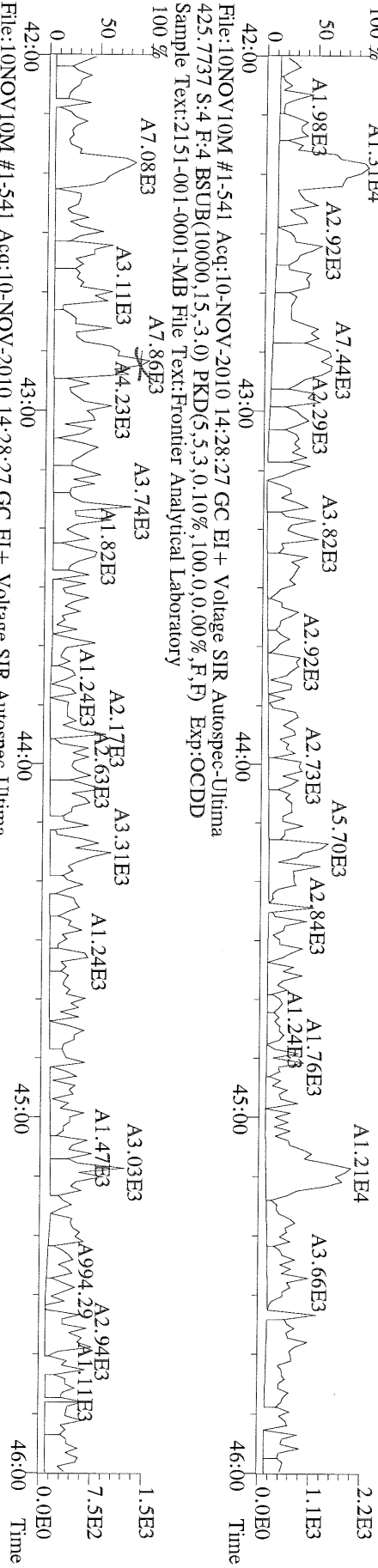


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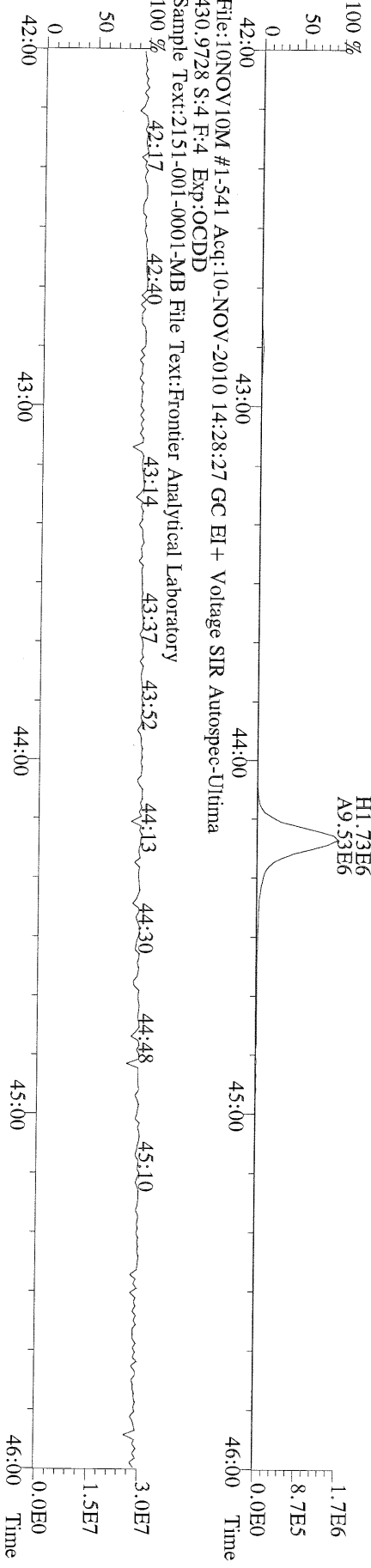


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380.9760 S:4 F:3 Exp:OCDD
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File:10NOV10M #1-541 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



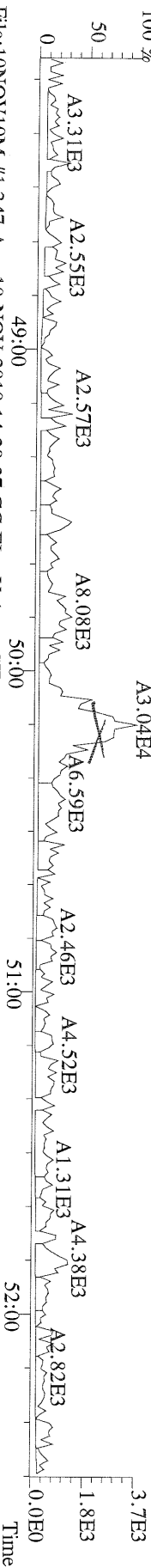
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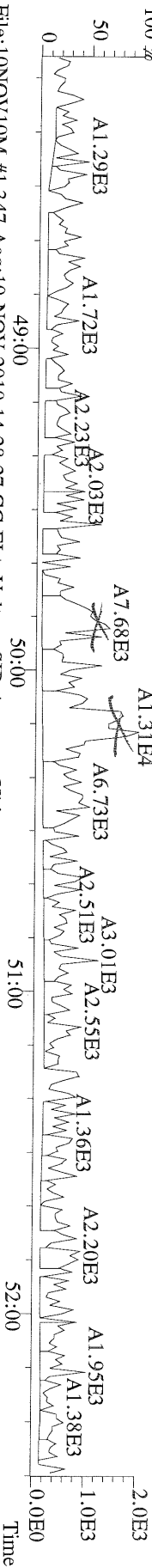
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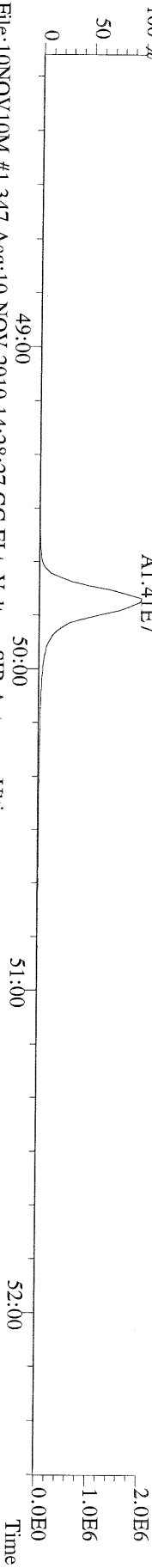
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 457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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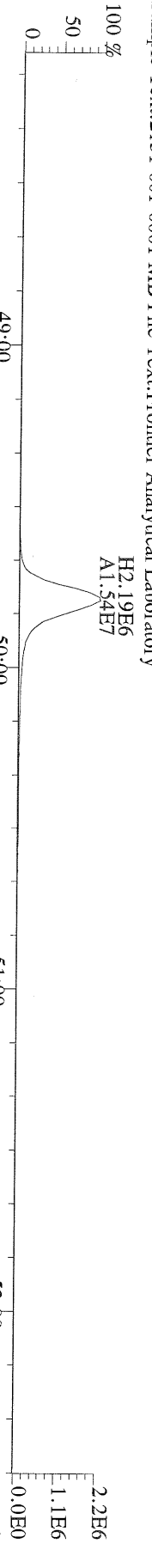
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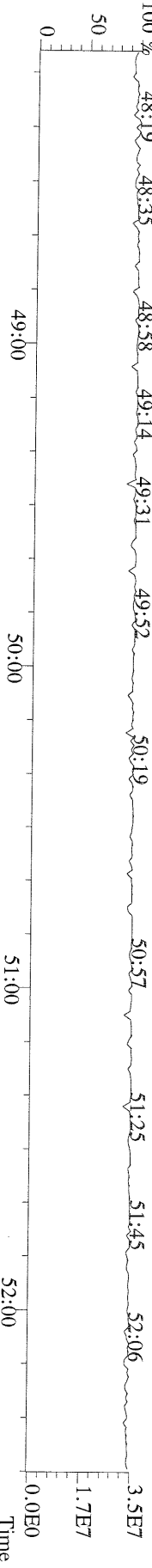
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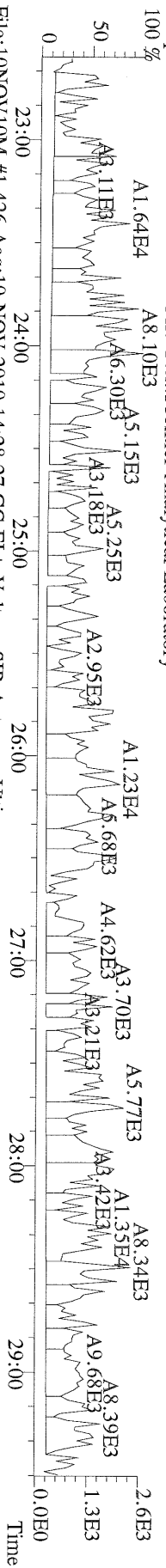
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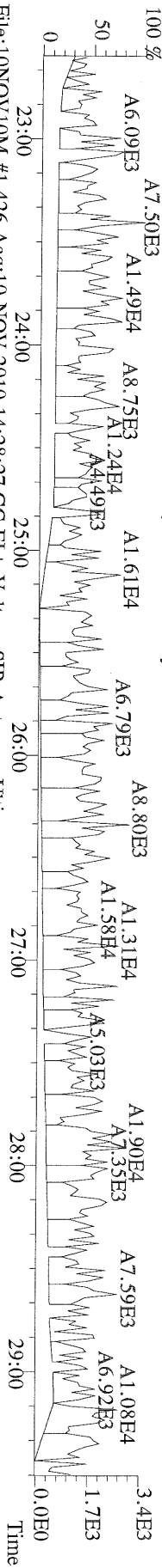
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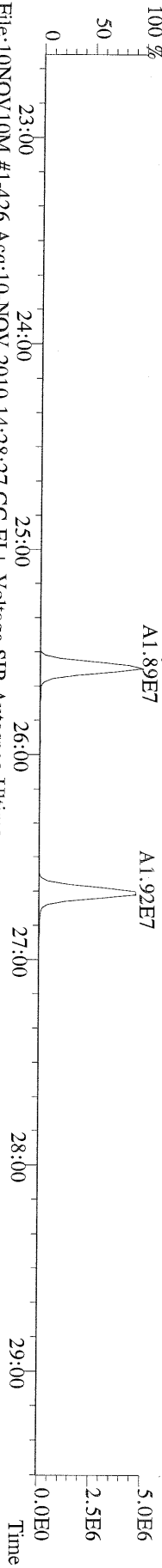
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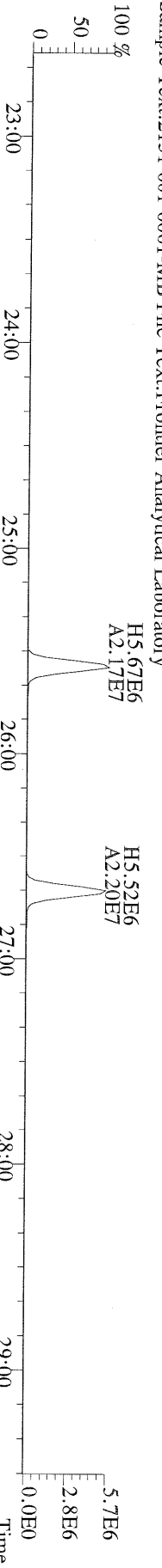
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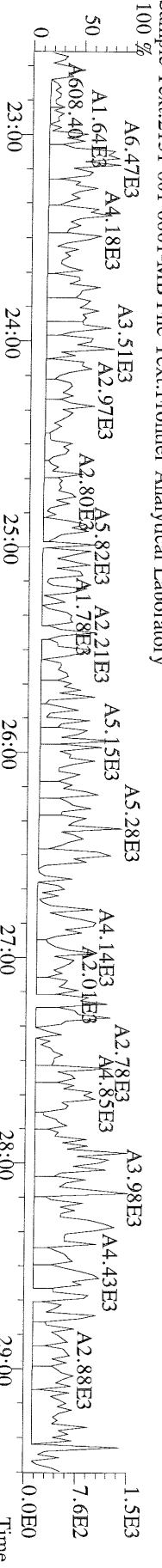
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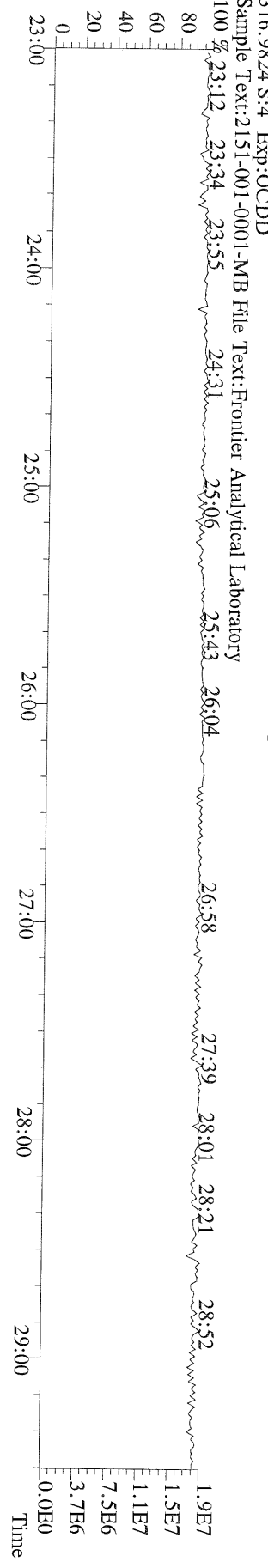
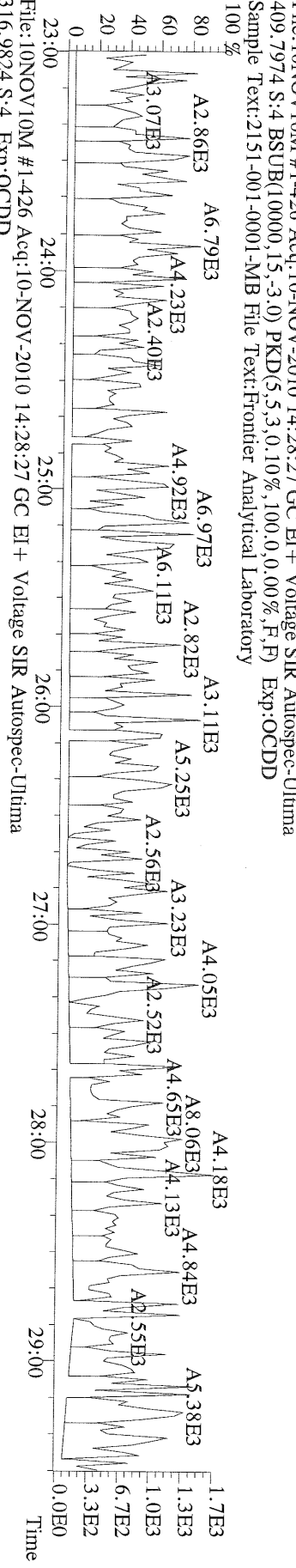
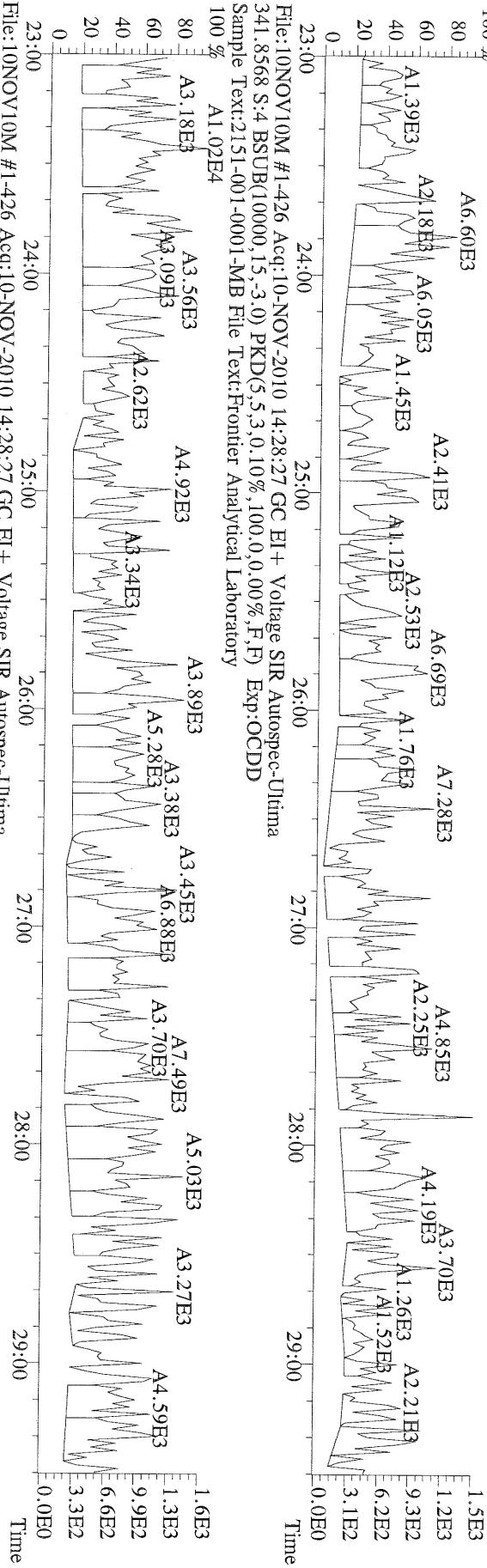
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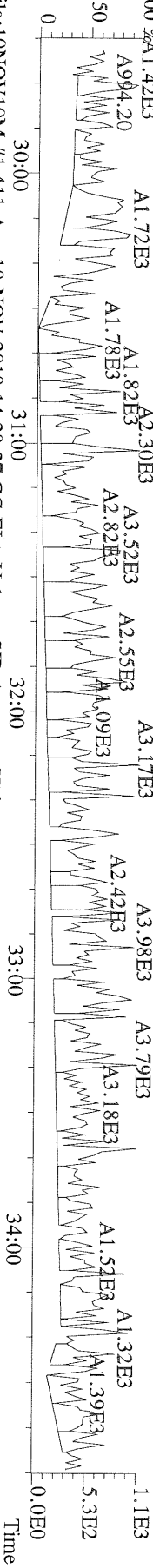
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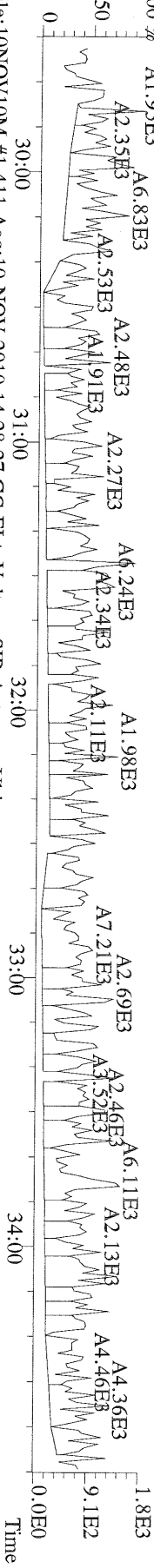
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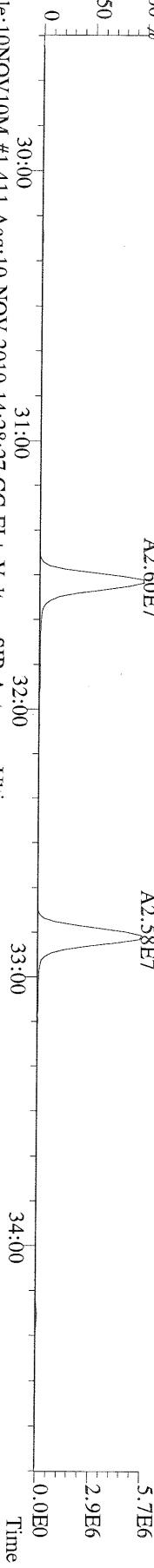
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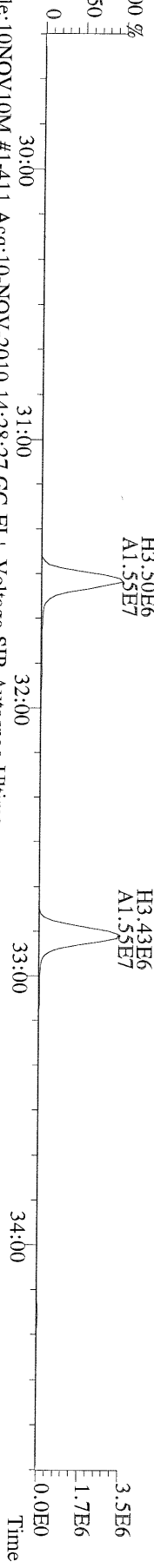
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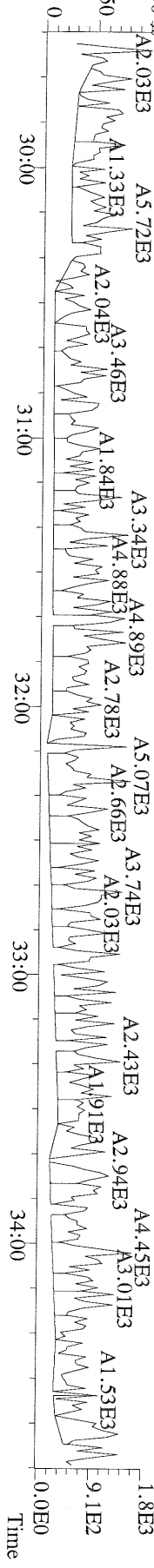
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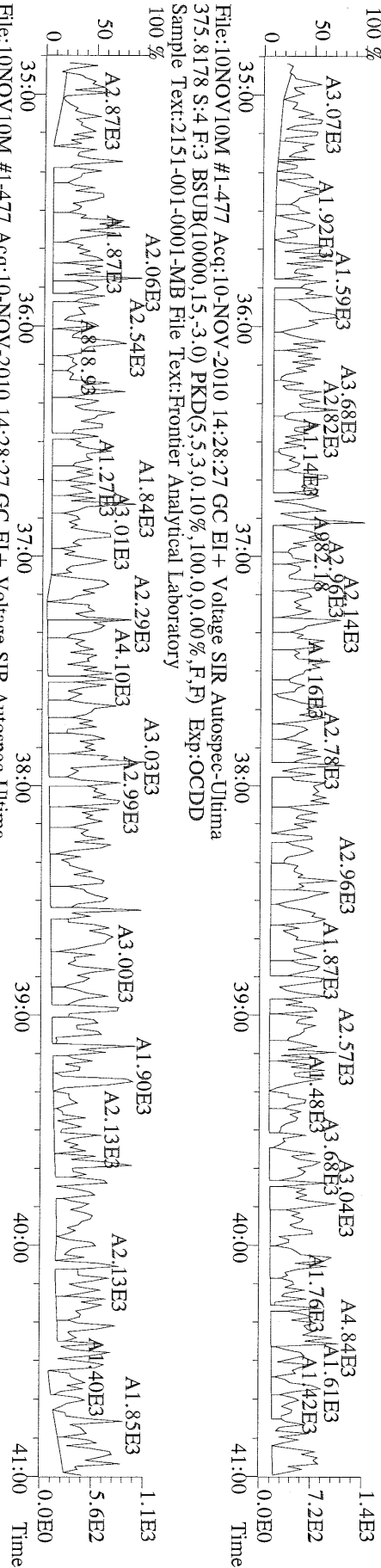
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 100 % H3.50E6
 A1.55E7



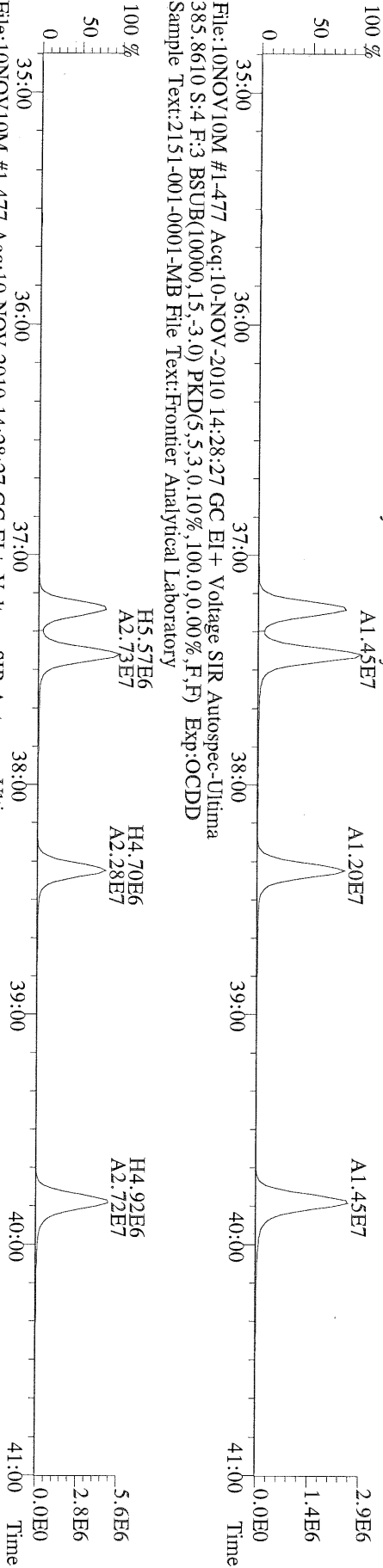
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 409.7974 S:4 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
 100 % A2.03E3



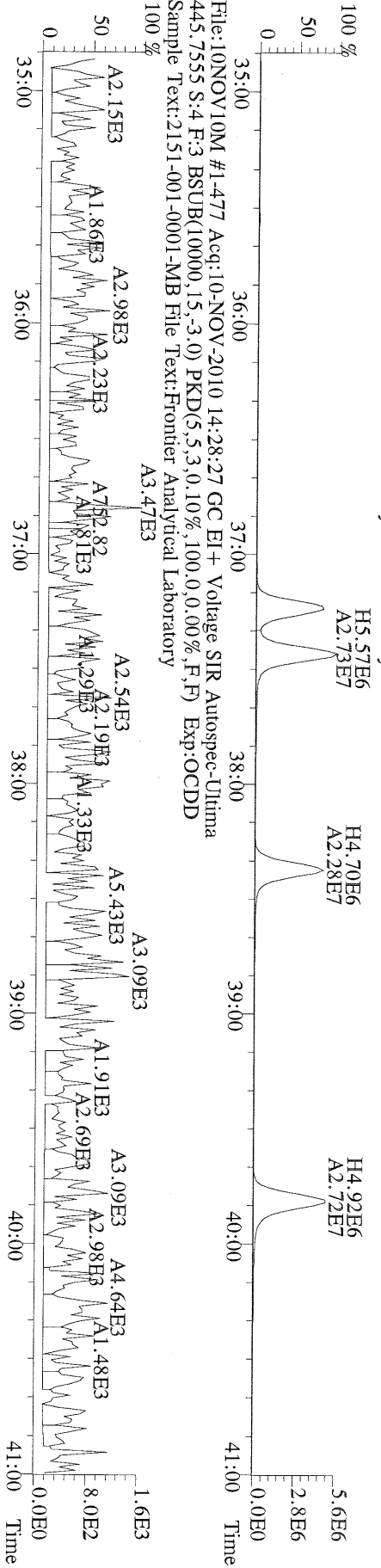
File:10NOV10M #1-477 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:4 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



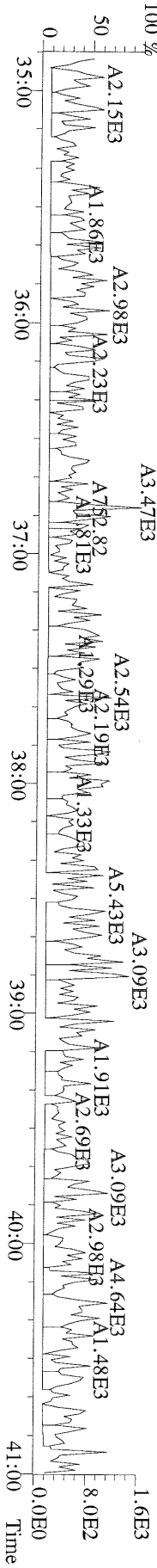
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383.8639 S:4 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



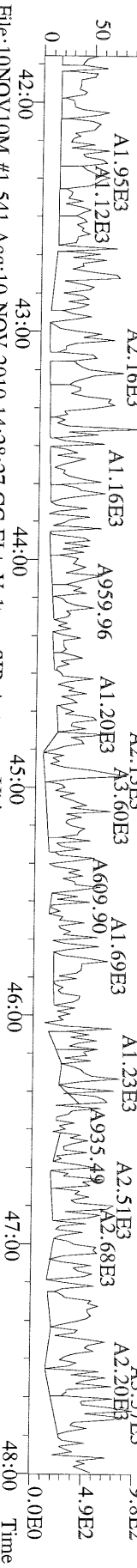
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385.8610 S:4 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



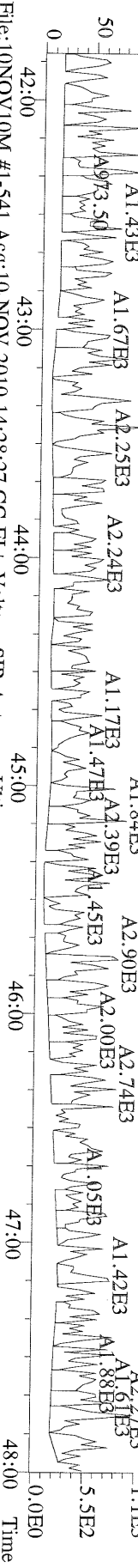
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445.7555 S:4 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



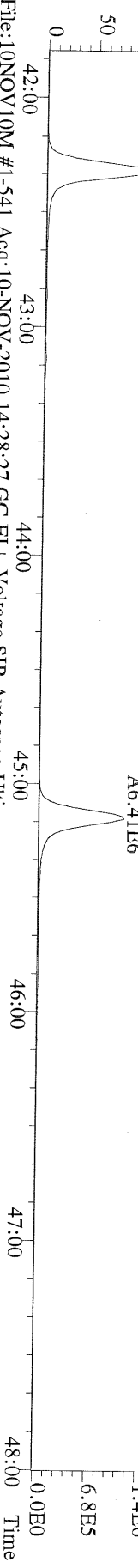
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407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
100 %



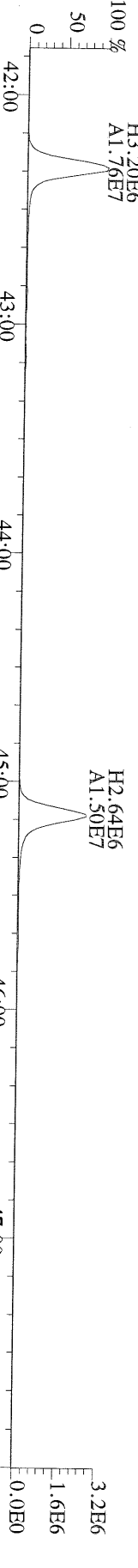
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409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
100 %



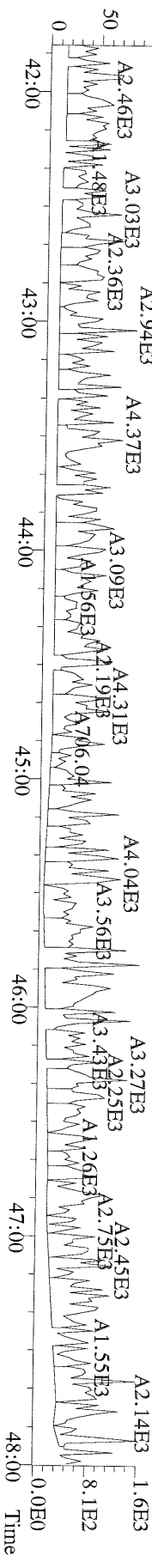
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417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
100 %



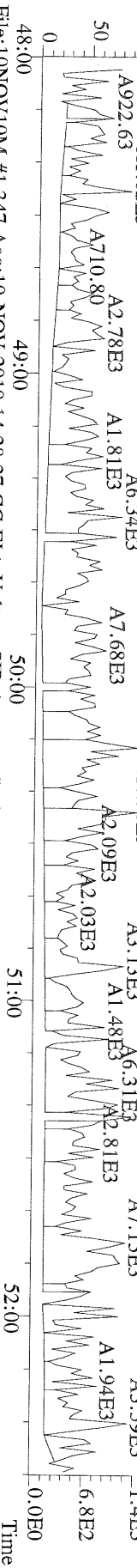
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419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
100 %



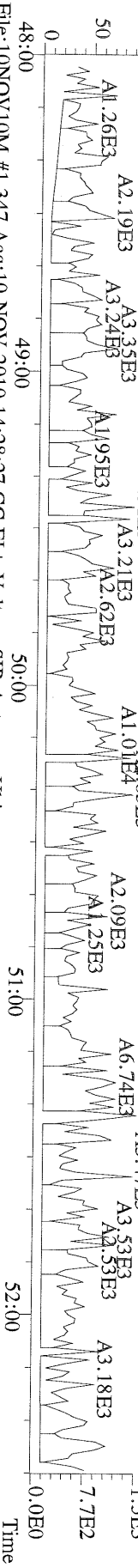
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479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory
100 %



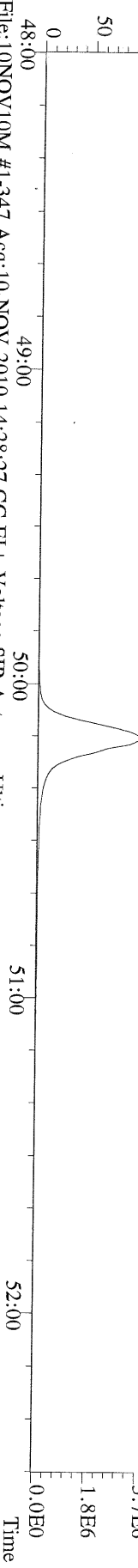
File:10NOV10M #1-347 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



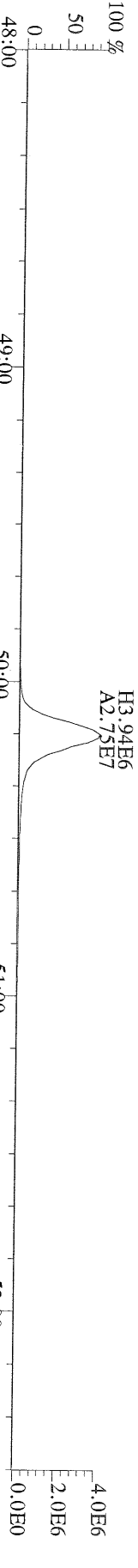
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 443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



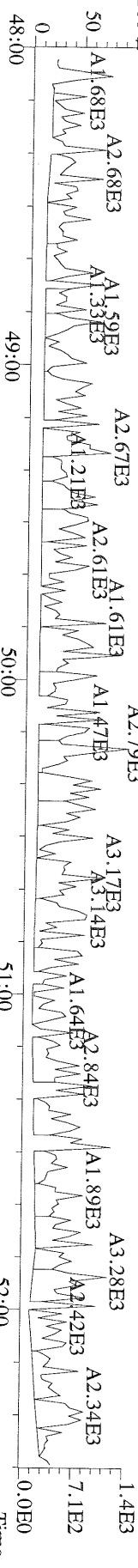
File:10NOV10M #1-347 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
 453.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV10M #1-347 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



File:10NOV10M #1-347 Acq:10-NOV-2010 14:28:27 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-MB File Text:Frontier Analytical Laboratory



USEPA - ITD

FORM 8A

PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 10NOV10M Sam:2

Ext. Date: 11/4/10 Shift: Day Analysis Date: 10-NOV-10 12:37:50

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
NATIVE ANALYTES			
2,3,7,8-TCDD	10	10.6	6.70 - 15.8 ✓
1,2,3,7,8-PeCDD	50	51.9	35.0 - 71.0 ✓
1,2,3,4,7,8-HxCDD	50	50.1	35.0 - 82.0 ✓
1,2,3,6,7,8-HxCDD	50	50.4	38.0 - 67.0 ✓
1,2,3,7,8,9-HxCDD	50	48.3	32.0 - 81.0 ✓
1,2,3,4,6,7,8-HpCDD	50	45.3	35.0 - 70.0 ✓
OCDD	100	101	78.0 - 144 ✓
2,3,7,8-TCDF	10	8.78	7.50 - 15.8 ✓
1,2,3,7,8-PeCDF	50	53.1	40.0 - 67.0 ✓
2,3,4,7,8-PeCDF	50	53.1	34.0 - 80.0 ✓
1,2,3,4,7,8-HxCDF	50	55.2	36.0 - 67.0 ✓
1,2,3,6,7,8-HxCDF	50	55.0	42.0 - 65.0 ✓
2,3,4,6,7,8-HxCDF	50	55.3	35.0 - 78.0 ✓
1,2,3,7,8,9-HxCDF	50	56.5	39.0 - 65.0 ✓
1,2,3,4,6,7,8-HpCDF	50	47.5	41.0 - 61.0 ✓
1,2,3,4,7,8,9-HpCDF	50	47.4	39.0 - 69.0 ✓
OCDF	100	115	63.0 - 170 ✓

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613

Analyst: Date: 11/10/10

USEPA - ITD

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): Solid OPR Data Filename: 10NOV10M Sam:2

Ext. Date: 11/4/10 Shift: Day Analysis Date: 10-NOV-10 12:37:50

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
LABELED COMPOUNDS			
13C-2,3,7,8-TCDD	100	89.1	20.0 - 175 ✓
13C-1,2,3,7,8-PeCDD	100	107	21.0 - 227 ✓
13C-1,2,3,4,7,8-HxCDD	100	105	21.0 - 193 ✓
13C-1,2,3,6,7,8-HxCDD	100	89.2	25.0 - 163 ✓
13C-1,2,3,4,6,7,8-HpCDD	100	101	26.0 - 166 ✓
13C-OCDD	200	160	26.0 - 397 ✓
13C-2,3,7,8-TCDF	100	86.9	22.0 - 152 ✓
13C-1,2,3,7,8-PeCDF	100	105	21.0 - 192 ✓
13C-2,3,4,7,8-PeCDF	100	98.0	13.0 - 328 ✓
13C-1,2,3,4,7,8-HxCDF	100	96.8	19.0 - 202 ✓
13C-1,2,3,6,7,8-HxCDF	100	84.9	21.0 - 159 ✓
13C-2,3,4,6,7,8-HxCDF	100	73.0	22.0 - 176 ✓
13C-1,2,3,7,8,9-HxCDF	100	82.5	17.0 - 205 ✓
13C-1,2,3,4,6,7,8-HpCDF	100	101	21.0 - 158 ✓
13C-1,2,3,4,7,8,9-HpCDF	100	124	20.0 - 186 ✓
13C-OCDF	200	173	26.0 - 397 ✓
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	38.5	12.4 - 76.4 ✓


(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613
Labeled compound concentration limits are based on required percent recovery of 25%-150%.

Analyst: 8

Date: 11/10/10

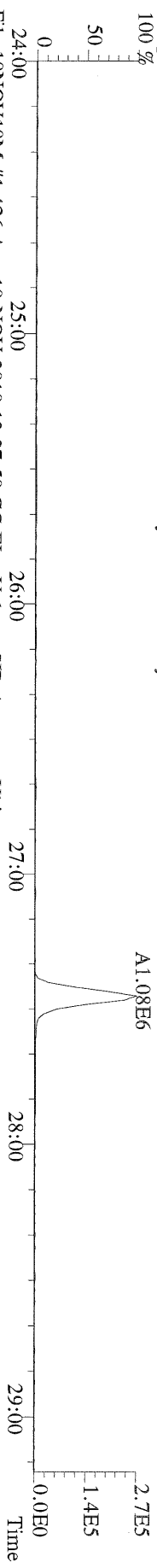
Results: GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 105 WHO 1998 Tox: 131 WHO 2005 Tox: 119

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	DL	
2,3,7,8-TCDD	2.49e+06	0.77 y	27:27	1.11	10.6		2.50	-	-	*	
1,2,3,7,8-PeCDD	1.20e+07	1.62 y	33:18	1.10	51.9		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	1.28e+07	1.30 y	38:39	1.37	50.1		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.04e+07	1.30 y	38:49	1.37	50.4		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.11e+07	1.32 y	39:16	1.36	48.3		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	9.47e+06	1.02 y	44:15	1.45	45.3		2.50	-	-	*	
OCDD	1.05e+07	0.92 y	49:49	1.43	101		2.50	-	-	*	
2,3,7,8-TCDF	4.63e+06	0.80 y	26:42	1.50	8.78		2.50	-	-	*	
1,2,3,7,8-PeCDF	1.79e+07	1.52 y	31:33	0.94	53.1		2.50	-	-	*	
2,3,4,7,8-PeCDF	1.61e+07	1.51 y	32:53	0.94	53.1		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	1.52e+07	1.22 y	37:16	0.93	55.2		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	1.61e+07	1.21 y	37:28	0.82	55.0		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.24e+07	1.22 y	38:25	0.92	55.3		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	1.56e+07	1.25 y	39:51	1.00	56.5		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	1.23e+07	1.04 y	42:20	1.39	47.5		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	1.06e+07	1.06 y	45:11	1.36	47.4		2.50	-	-	*	
OCDF	1.40e+07	0.88 y	50:11	0.79	115		2.50	-	-	*	
Rec											
13C-2,3,7,8-TCDD	2.12e+07	0.74 y	27:26	1.02	89.1					89.1	
13C-1,2,3,7,8-PeCDD	2.09e+07	1.75 y	33:16	0.84	107					107	
13C-1,2,3,4,7,8-HxCDD	1.86e+07	1.24 y	38:38	1.07	105					105	
13C-1,2,3,6,7,8-HxCDD	1.50e+07	1.22 y	38:48	1.01	89.2					89.2	
13C-1,2,3,4,6,7,8-HpCDD	1.44e+07	1.12 y	44:13	0.86	101					101	
13C-OCDD	1.45e+07	0.95 y	49:47	0.55	160					79.9	
13C-2,3,7,8-TCDF	3.51e+07	0.88 y	26:41	0.99	86.9					86.9	
13C-1,2,3,7,8-PeCDF	3.58e+07	1.67 y	31:32	0.84	105					105	
13C-2,3,4,7,8-PeCDF	3.23e+07	1.69 y	32:51	0.81	98.0					98.0	
13C-1,2,3,4,7,8-HxCDF	2.97e+07	0.52 y	37:14	1.85	96.8					96.8	
13C-1,2,3,6,7,8-HxCDF	3.57e+07	0.52 y	37:26	2.54	84.9					84.9	
13C-2,3,4,6,7,8-HxCDF	2.44e+07	0.51 y	38:22	2.01	73.0					73.0	
13C-1,2,3,7,8,9-HxCDF	2.78e+07	0.53 y	39:49	2.03	82.5					82.5	
13C-1,2,3,4,6,7,8-HpCDF	1.86e+07	0.43 y	42:19	1.11	101					101	
13C-1,2,3,4,7,8,9-HpCDF	1.65e+07	0.42 y	45:09	0.80	124					124	
13C-OCDF	3.11e+07	0.94 y	50:11	1.08	173					86.7	
37Cl-2,3,7,8-TCDD	6.14e+06		27:27	0.69	38.5					96.1	
13C-1,2,3,4-TCDD	2.33e+07	0.73 y	26:51	-	51.8						
13C-1,2,3,4-TCDF	4.06e+07	0.86 y	25:35	-	56.2						
13C-1,2,3,7,8,9-HxCDD	1.66e+07	1.25 y	39:15	-	60.2						
Total Tetra-Dioxins	2.71e+06		22:54	1.11	11.5		2.50	-	-	*	34
Total Penta-Dioxins	1.20e+07		33:18	1.10	51.9		2.50	-	-	*	1
Total Hexa-Dioxins	3.44e+07		38:39	1.37	149		2.50	-	-	*	9
Total Hepta-Dioxins	9.59e+06		42:51	1.45	45.9		2.50	-	-	*	14
Total Tetra-Furans	5.00e+06		22:52	1.50	9.49		2.50	-	-	*	27
1st Fn. Tot Penta-Furans	1.82e+05		23:06	0.94	0.570		2.50	-	-	*	PeCDF 33
Total Penta-Furans	3.46e+07		30:18	0.94	108		2.50	-	-	*	109 9
Total Hexa-Furans	5.95e+07		35:35	0.91	222		2.50	-	-	*	12
Total Hepta-Furans	2.30e+07		42:20	1.38	95.3		2.50	-	-	*	12

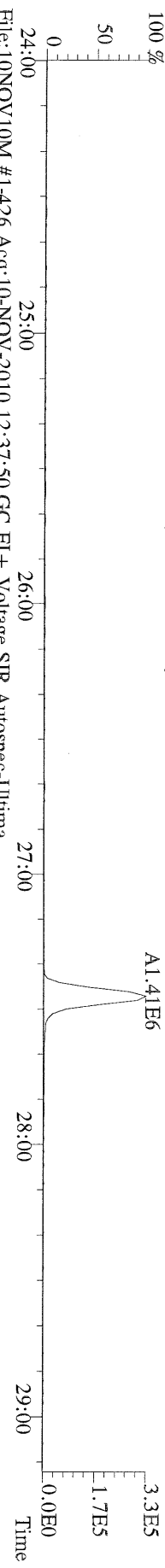
Analyst: 

Date: 11/10/10

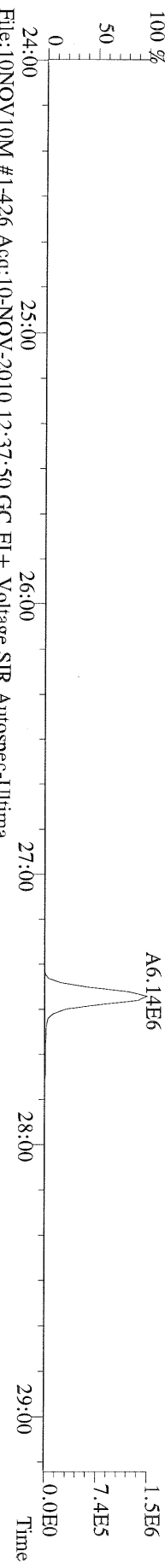
File:10NOV10M #1-426 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



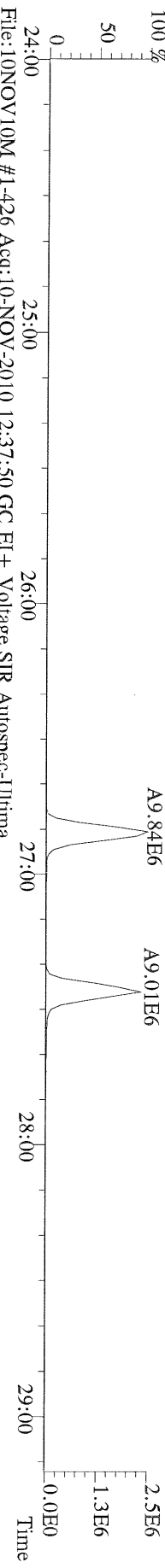
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321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



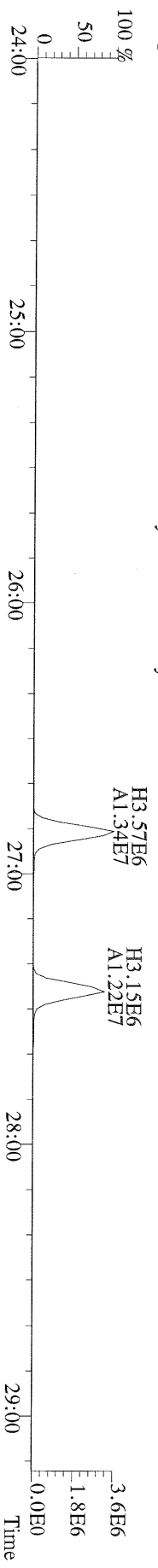
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327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



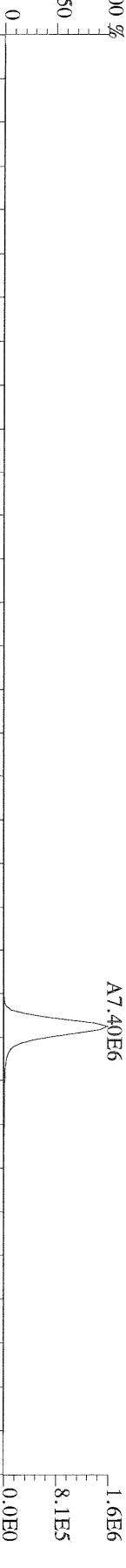
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331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



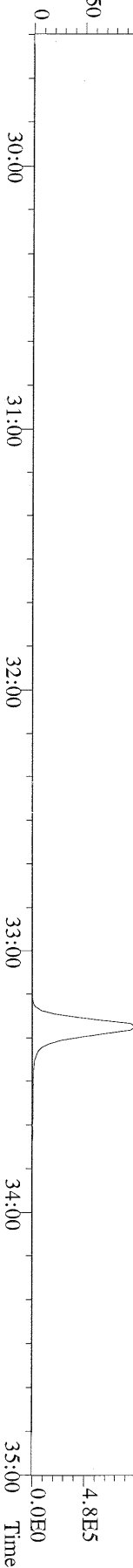
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333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



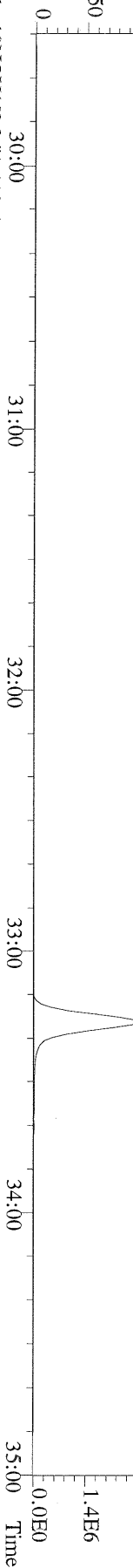
File:10NOV10M #1-412 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



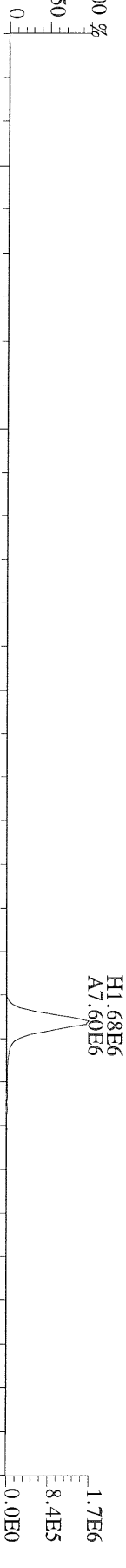
File:10NOV10M #1-412 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



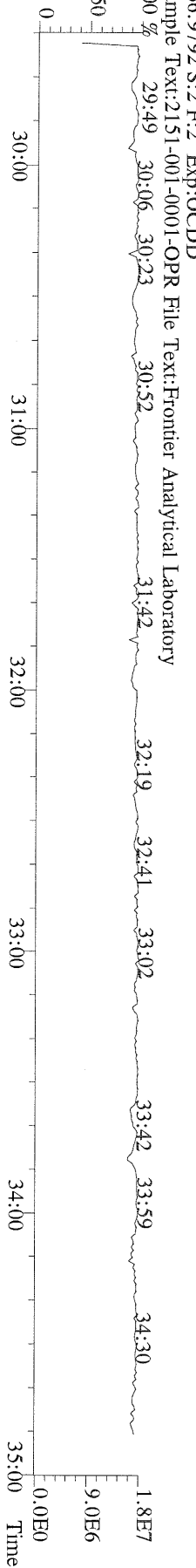
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367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



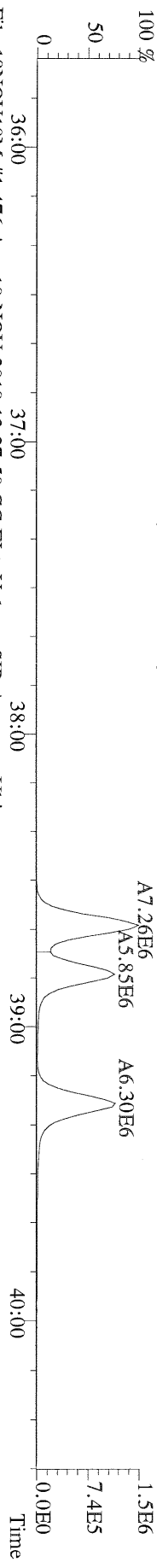
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369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



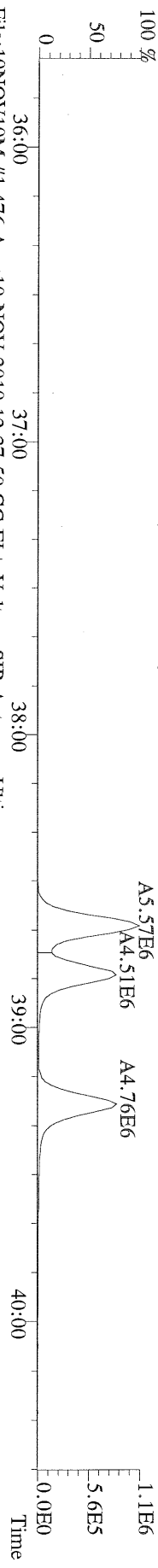
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366.9792 S:2 F:2 Exp:OCDD



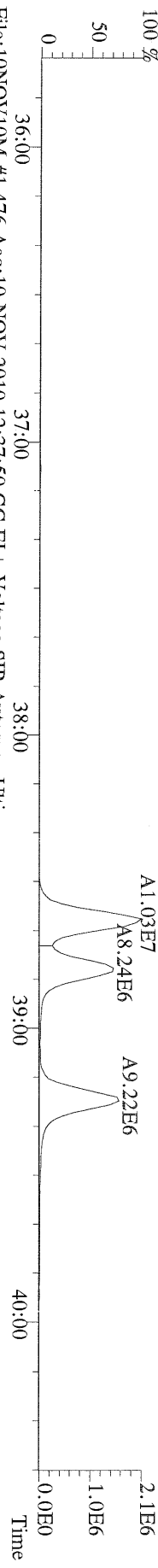
File:10NOV10M #1-476 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



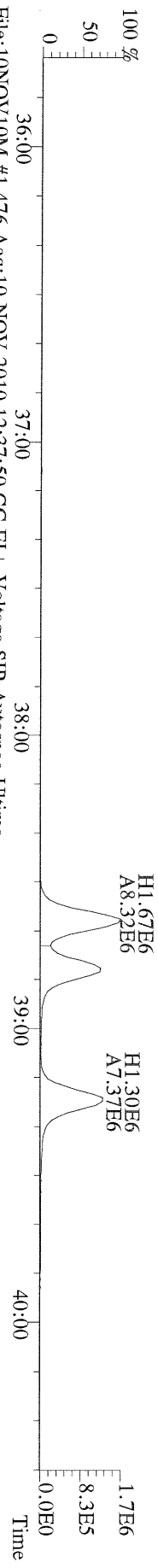
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 391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



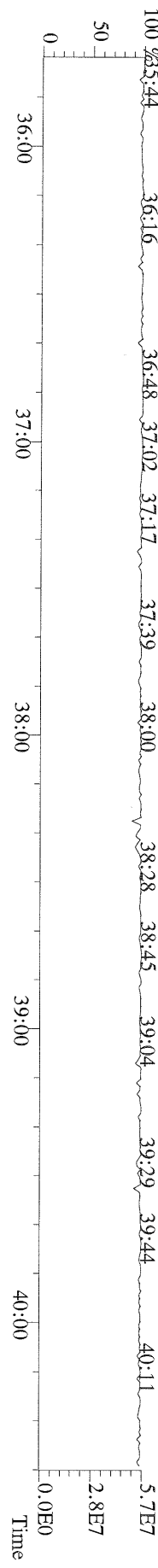
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 401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



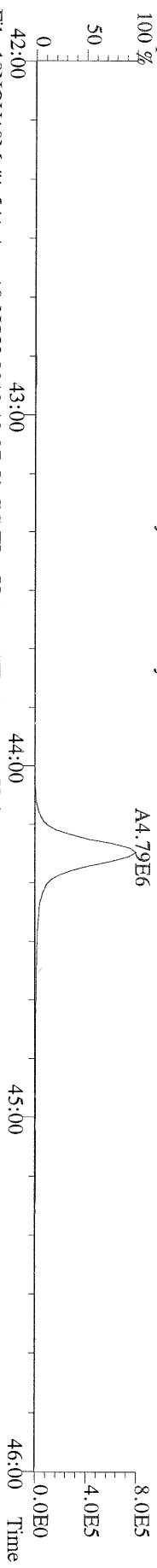
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 403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



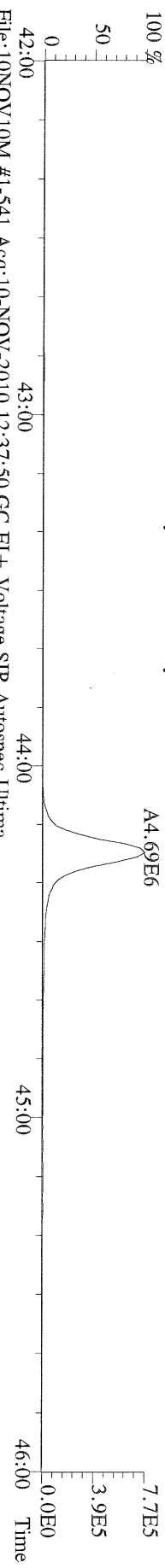
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 380.9760 S:2 F:3 Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



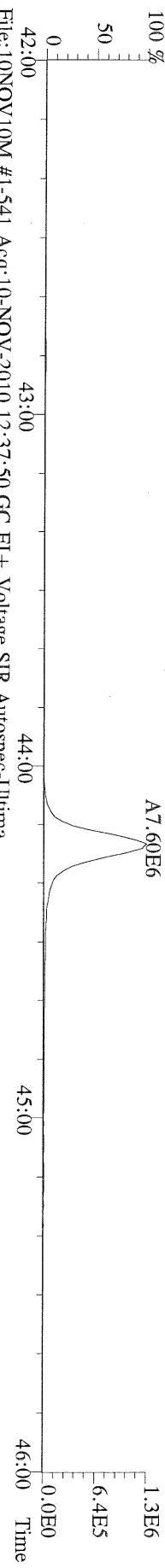
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423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



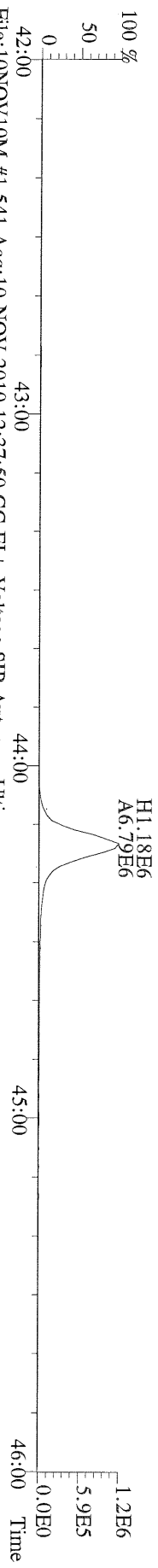
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425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



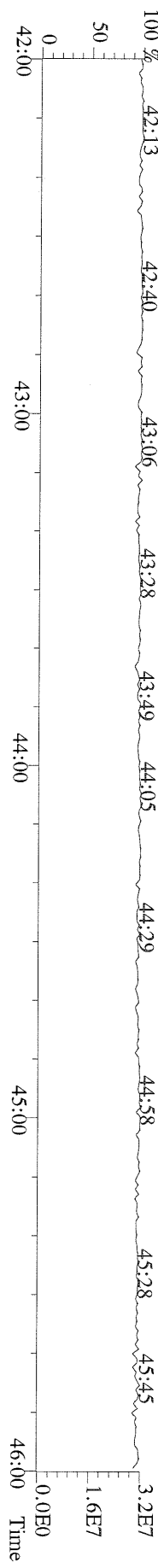
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435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



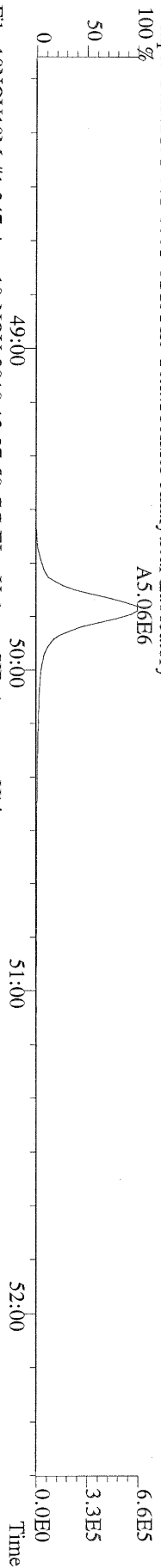
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437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



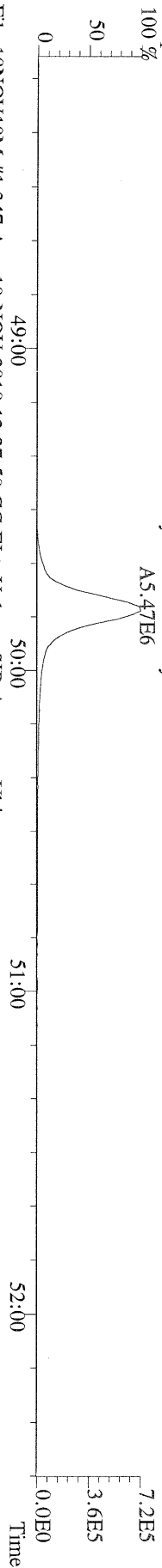
File:10NOV10M #1-541 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



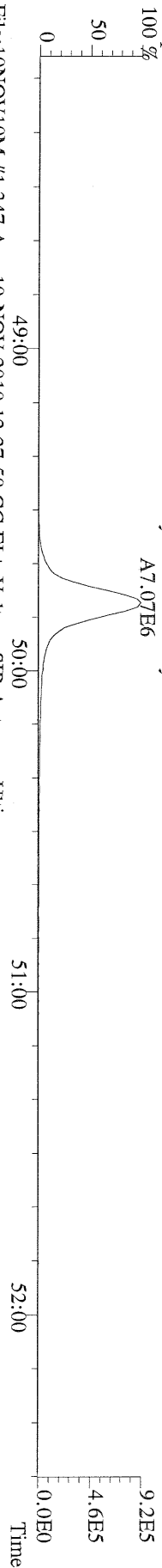
File:10NOV10M #1-347 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



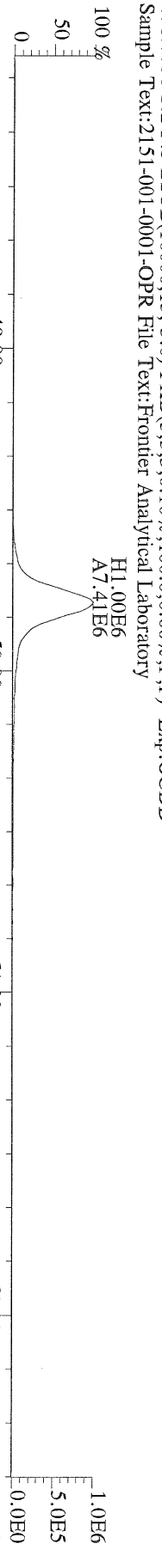
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459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



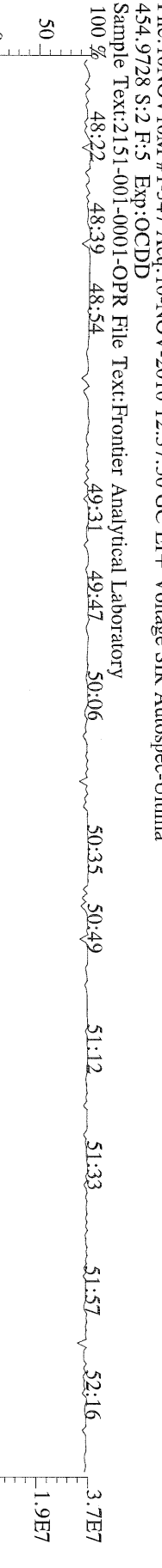
File:10NOV10M #1-347 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



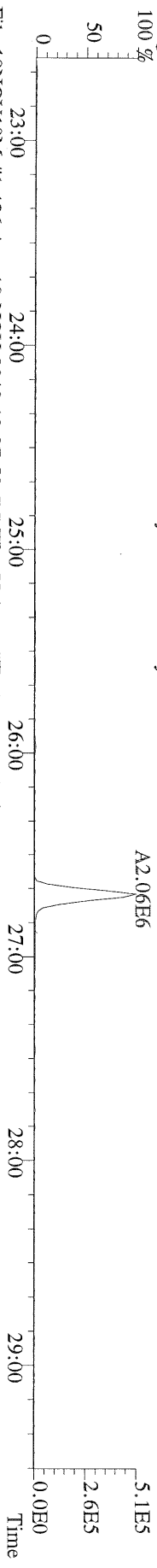
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471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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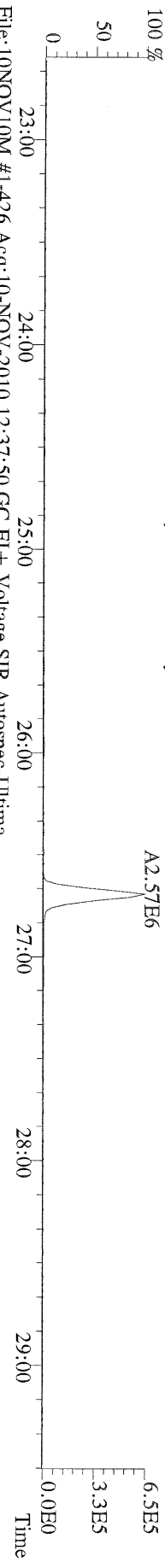
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Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



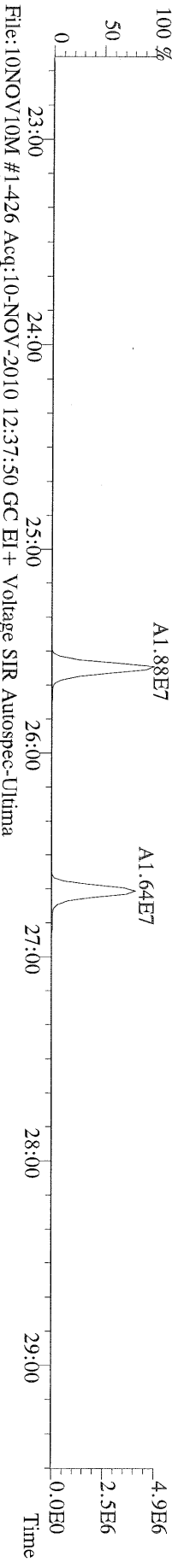
File:10NOV10M #1-426 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



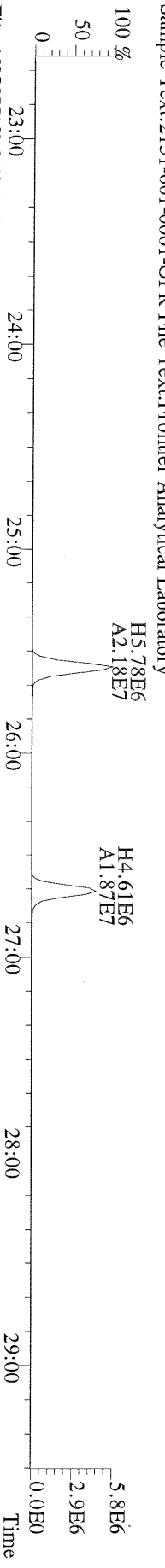
File:10NOV10M #1-426 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
 305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



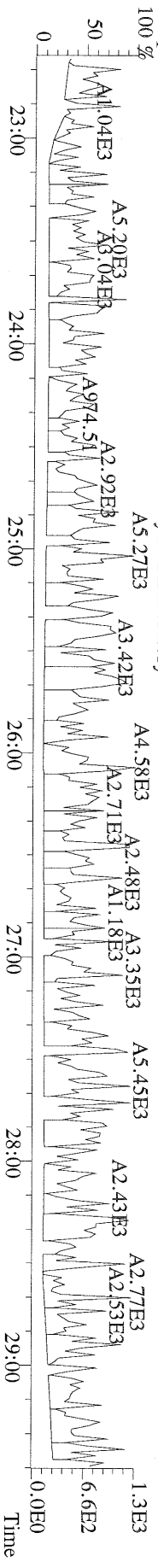
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 315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
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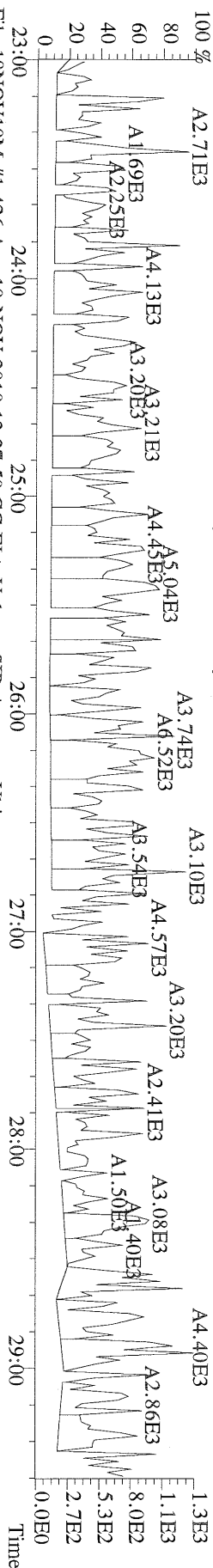
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 317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
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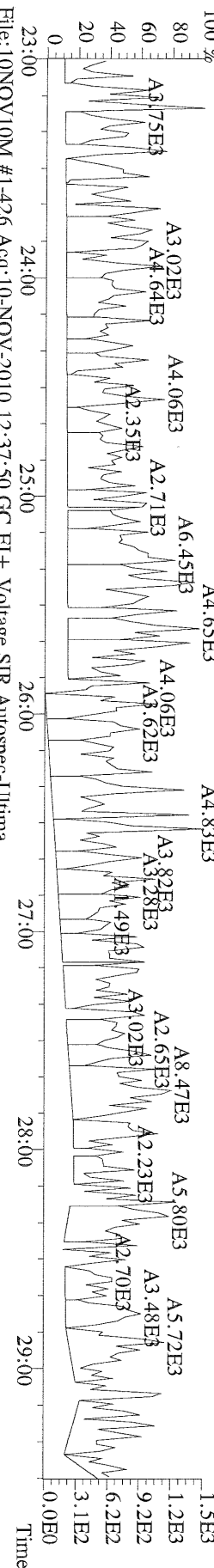
File:10NOV10M #1-426 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
 375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



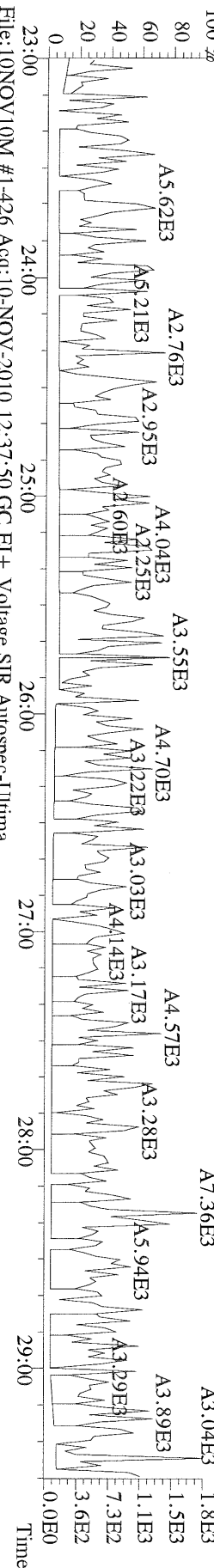
File:10NOV10M #1-426 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Utima
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



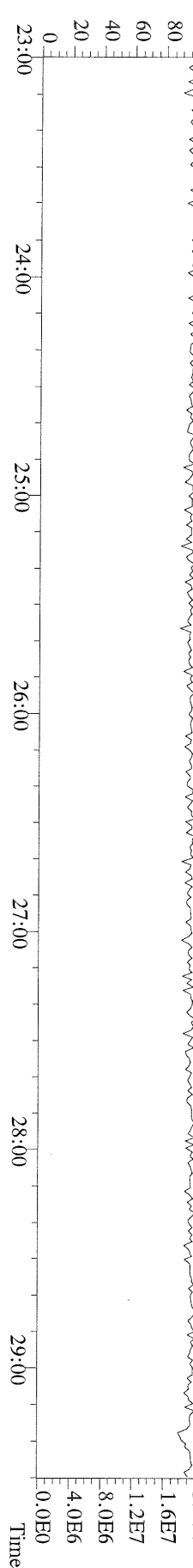
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 341.8568 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



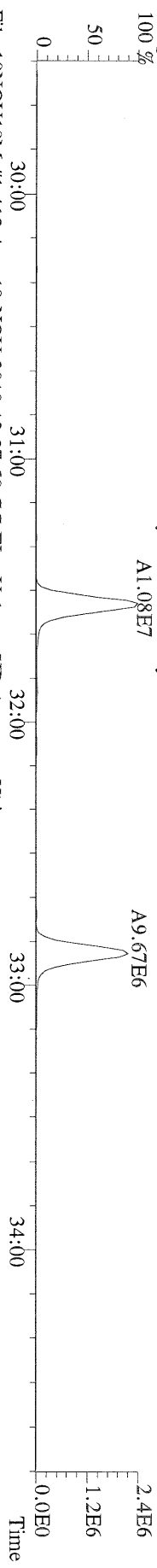
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 409.7974 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



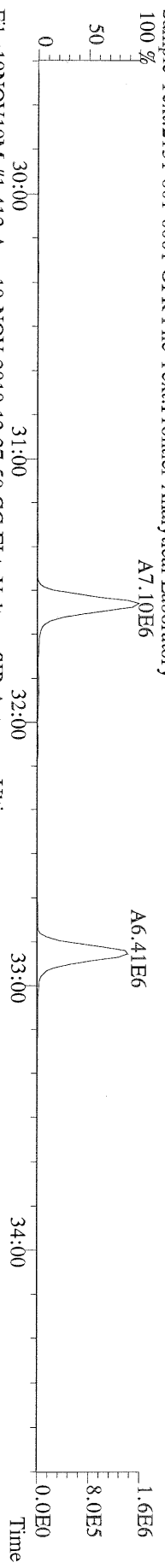
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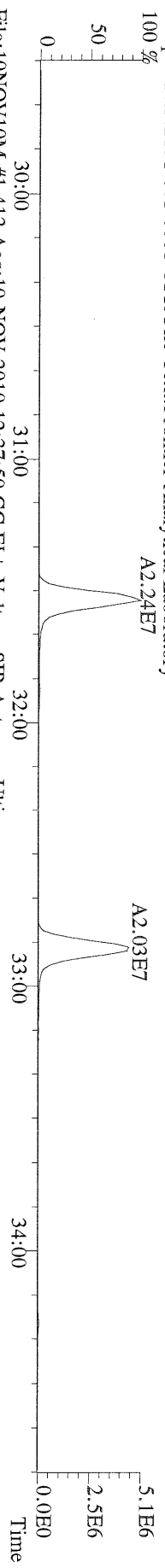
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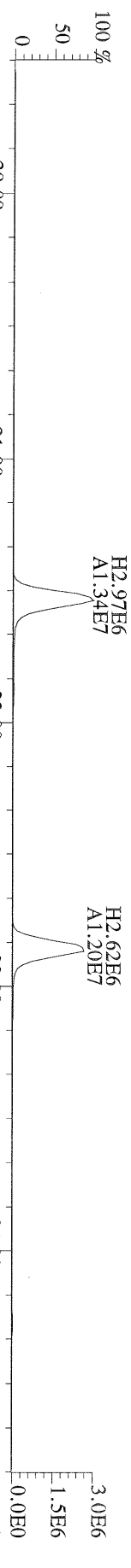
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 341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



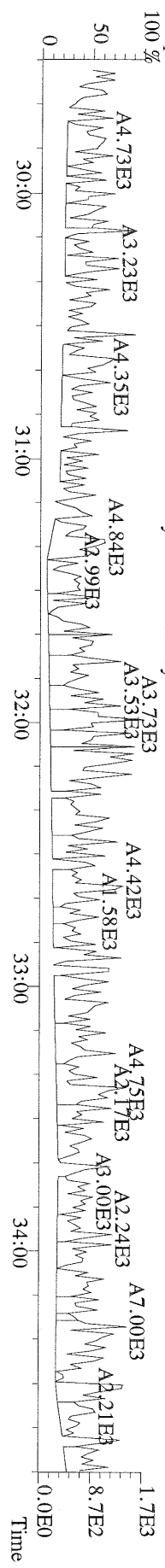
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 351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



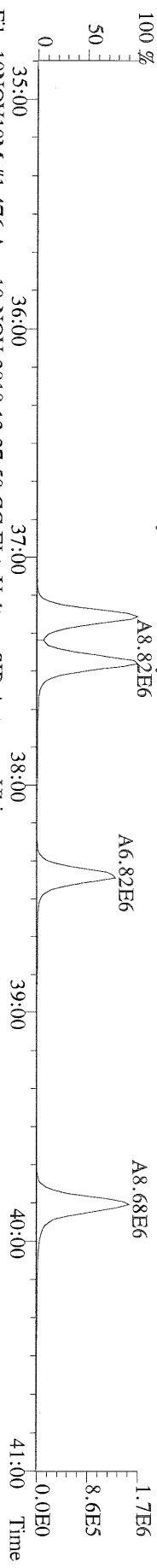
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 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



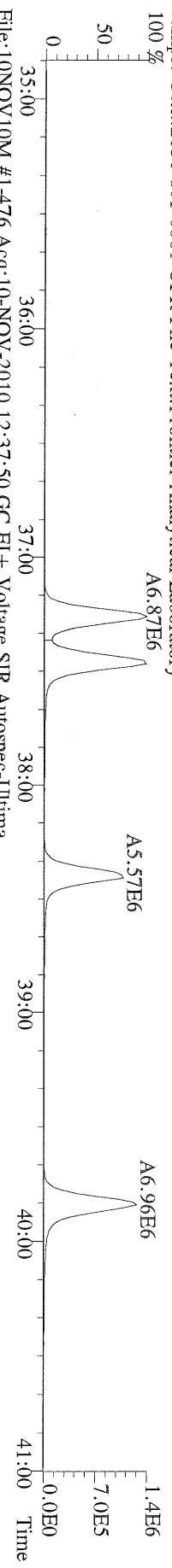
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 Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



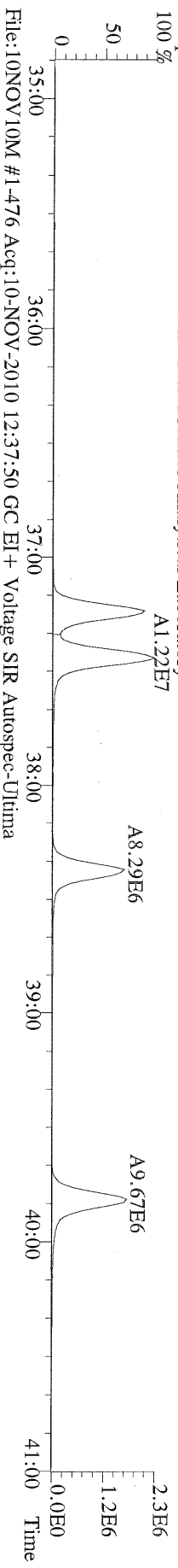
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373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



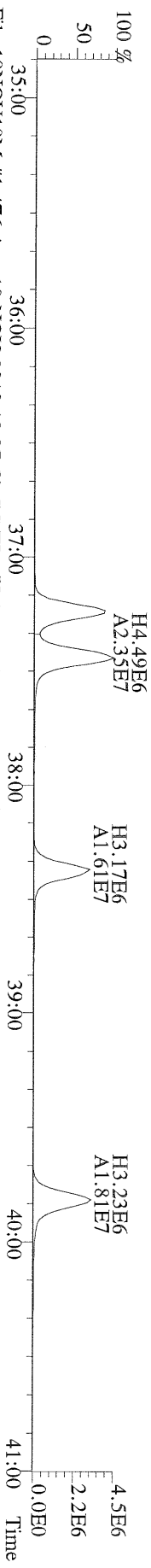
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375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



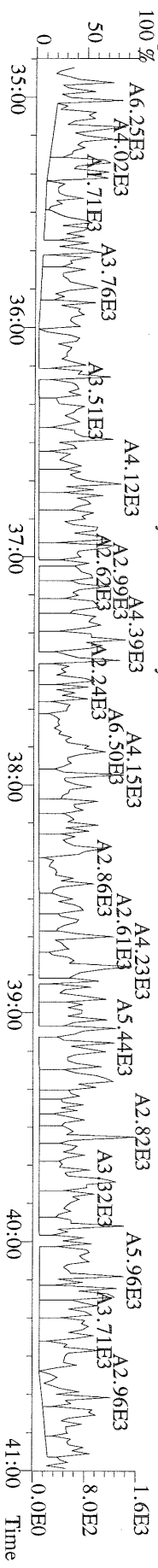
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383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



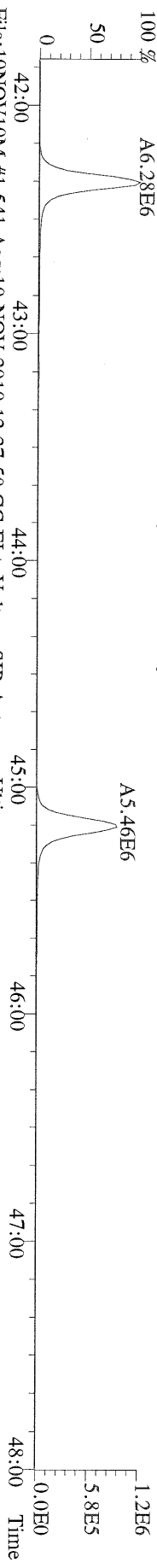
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385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



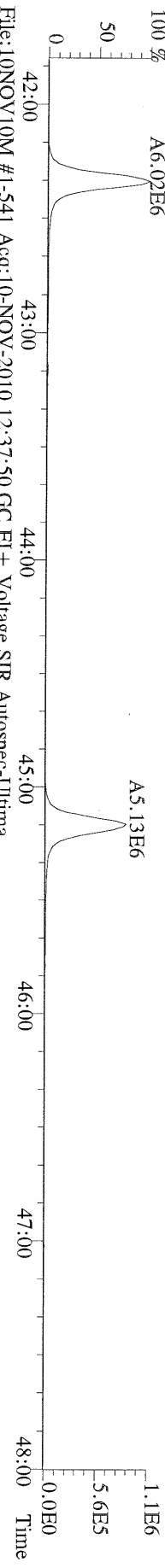
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Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



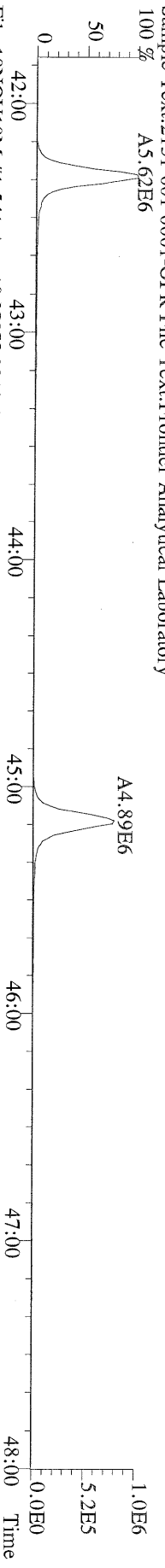
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407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



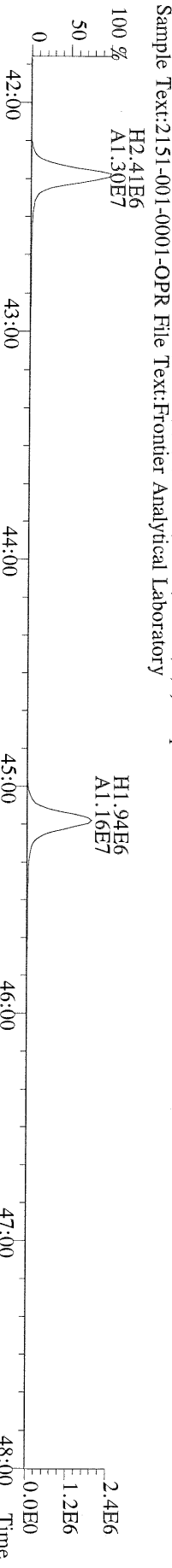
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409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



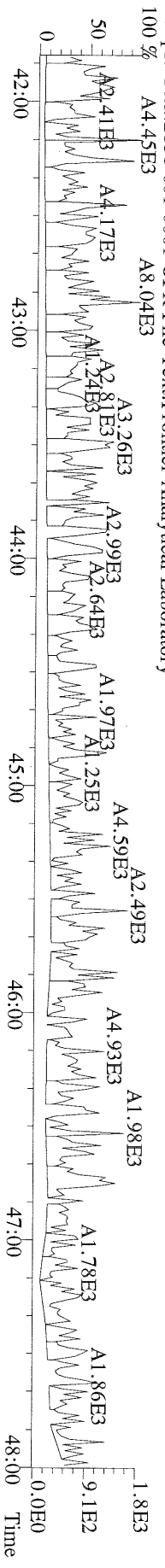
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417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



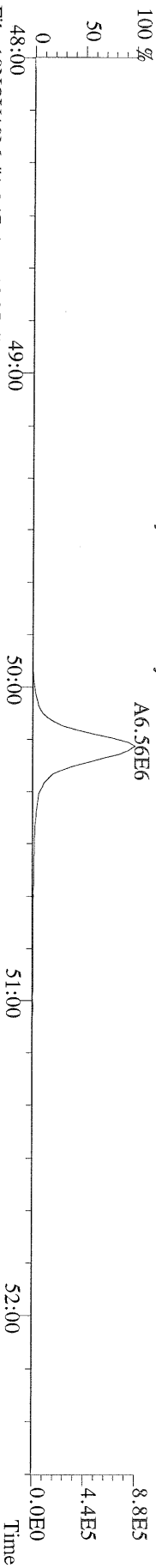
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419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



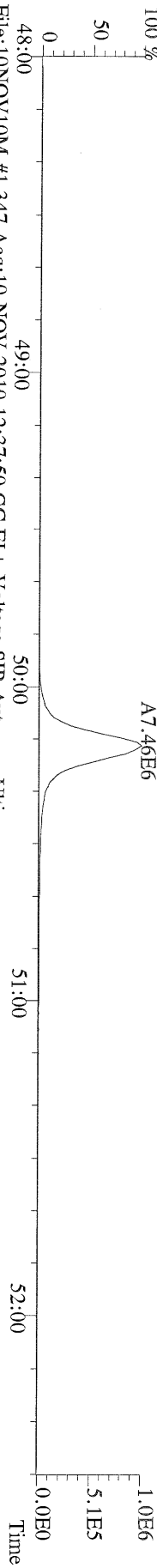
File:10NOV10M #1-541 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



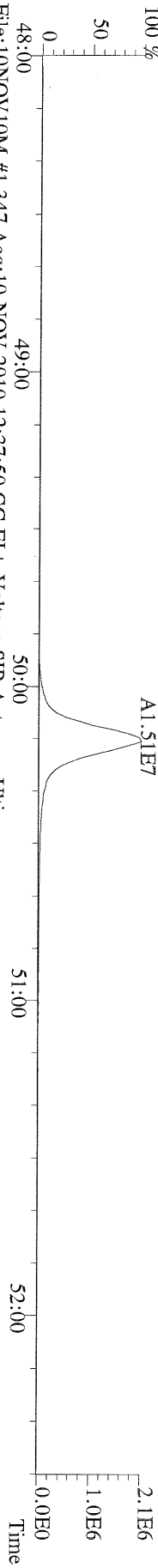
File:10NOV10M #1-347 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



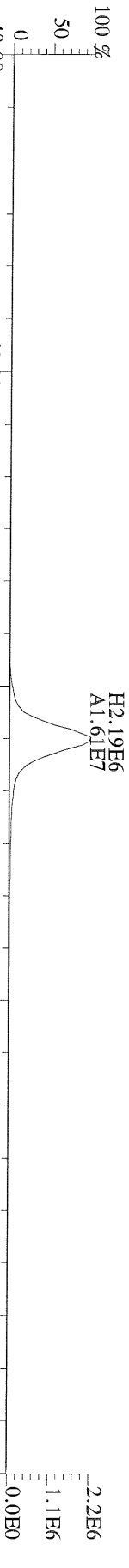
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443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



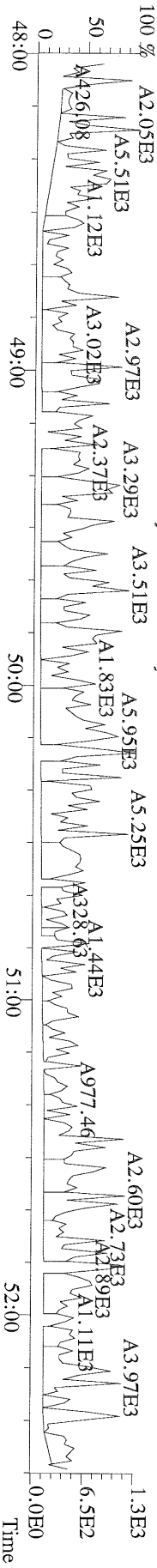
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453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



File:10NOV10M #1-347 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10NOV10M #1-347 Acq:10-NOV-2010 12:37:50 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:2151-001-0001-OPR File Text:Frontier Analytical Laboratory
100 %



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	345	384	0.312	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	333	305	0.364	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	528	450	0.574	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	528	450	0.721	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	528	450	0.648	
1,2,3,4,6,7,8-HpCDD	6.65e+04	1.05 y	44:07	1.45	4.17	J	2.50	-	-	*	
OCDD	3.05e+05	0.98 y	49:40	1.43	51.9		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	613	855	0.261	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	325	515	0.305	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	325	515	0.333	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	394	344	0.367	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	394	344	0.372	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	394	344	0.417	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	394	344	0.440	
1,2,3,4,6,7,8-HpCDF	3.26e+04	1.03 y	42:15	1.39	1.43	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	340	242	0.511	
OCDF	3.72e+04	0.85 y	50:02	0.79	4.61	J	2.50	-	-	*	
										Rec	
13C-2,3,7,8-TCDD	8.76e+06	0.81 y	27:20	1.02	344					87.5	
13C-1,2,3,7,8-PeCDD	7.83e+06	1.74 y	33:10	0.84	374					95.2	
13C-1,2,3,4,7,8-HxCDD	6.38e+06	1.20 y	38:31	1.07	333					84.8	
13C-1,2,3,6,7,8-HxCDD	5.52e+06	1.18 y	38:41	1.01	306					77.9	
13C-1,2,3,4,6,7,8-HpCDD	4.32e+06	1.11 y	44:07	0.86	283					72.0	
13C-OCDD	3.22e+06	0.94 y	49:39	0.55	330					42.0	
13C-2,3,7,8-TCDF	1.50e+07	0.86 y	26:35	0.99	358					91.0	
13C-1,2,3,7,8-PeCDF	1.33e+07	1.75 y	31:25	0.84	378					96.3	
13C-2,3,4,7,8-PeCDF	1.26e+07	1.72 y	32:45	0.81	370					94.1	
13C-1,2,3,4,7,8-HxCDF	1.08e+07	0.52 y	37:08	1.85	328					83.6	
13C-1,2,3,6,7,8-HxCDF	1.38e+07	0.53 y	37:20	2.54	305					77.5	
13C-2,3,4,6,7,8-HxCDF	1.04e+07	0.53 y	38:16	2.01	289					73.5	
13C-1,2,3,7,8,9-HxCDF	1.02e+07	0.52 y	39:42	2.03	282					71.9	
13C-1,2,3,4,6,7,8-HpCDF	6.42e+06	0.45 y	42:12	1.11	325					82.6	
13C-1,2,3,4,7,8,9-HpCDF	5.54e+06	0.45 y	45:03	0.80	386					98.3	
13C-OCDF	8.08e+06	0.95 y	50:02	1.08	419					53.3	
37Cl-2,3,7,8-TCDD	2.52e+06		27:21	0.69	148					93.9	
13C-1,2,3,4-TCDD	9.78e+06	0.80 y	26:44	-	4.27						
13C-1,2,3,4-TCDF	1.65e+07	0.86 y	25:28	-	4.50						
13C-1,2,3,7,8,9-HxCDD	7.01e+06	1.23 y	39:08	-	4.99						
Total Tetra-Dioxins	3.76e+05		26:45	1.11	15.2		2.50	-	-	*	1
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	333	305	0.364	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	528	450	0.721	0
Total Hepta-Dioxins	1.39e+05		42:46	1.45	8.73		2.50	-	-	*	2
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	613	855	0.261	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	325	515	0.333 ✓	0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	325	515	0.333 ✓	0.00
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	394	344	0.440	0
Total Hepta-Furans	7.51e+04		42:15	1.38	3.46	J	2.50	-	-	*	2

Analyst:

Date: 11/15/10

Totals class: Total Tetra-Dioxins Entry #: 38

Run: 12 File: 12NOV10M S: 4 I: 1 F: 1
Acquired: 12-NOV-10 16:49:45

Total Concentration: 15.2 Unnamed Concentration: 15.195

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
26:45	1.62e+05	2.14e+05	0.76 y	3.76e+05	15.2

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 12

File: 12NOV10M

S: 4 I: 1 F: 4

Acquired: 12-NOV-10 16:49:45

Total Concentration: 8.73

Unnamed Concentration: 4.560

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:46	3.79e+04	3.48e+04	1.09 y	7.28e+04	4.56	
44:07	3.40e+04	3.25e+04	1.05 y	6.65e+04	4.17	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 12

File: 12NOV10M

S: 4 I: 1 F: 4

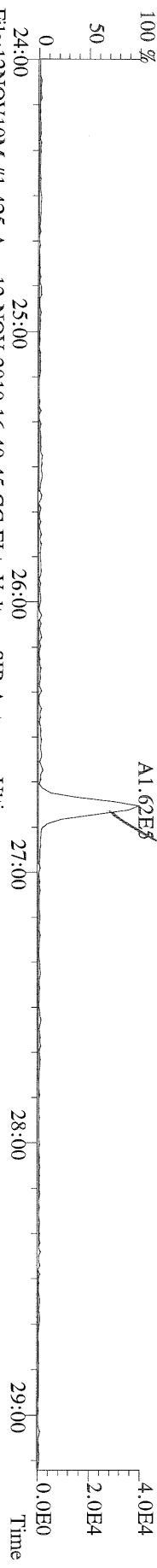
Acquired: 12-NOV-10 16:49:45

Total Concentration: 3.46

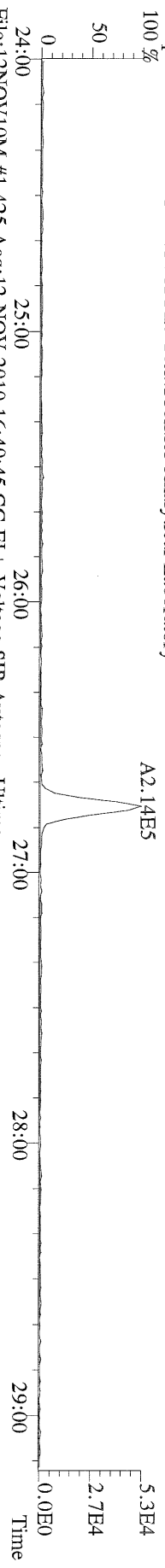
Unnamed Concentration: 2.029

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:15	1.66e+04	1.60e+04	1.03 y	3.26e+04	1.43	1,2,3,4,6,7,8-HpCDF
43:03	2.00e+04	2.24e+04	0.89 y	4.25e+04	2.03	

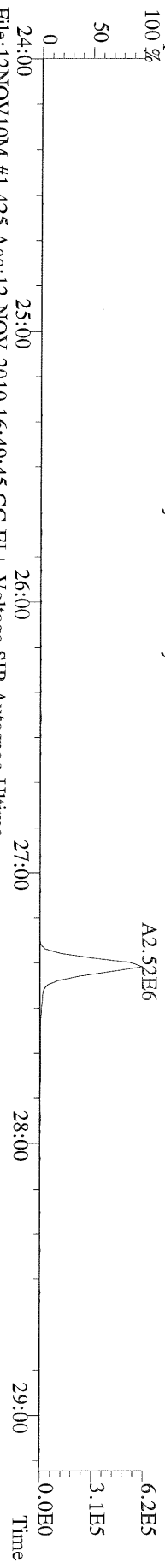
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory
100 %



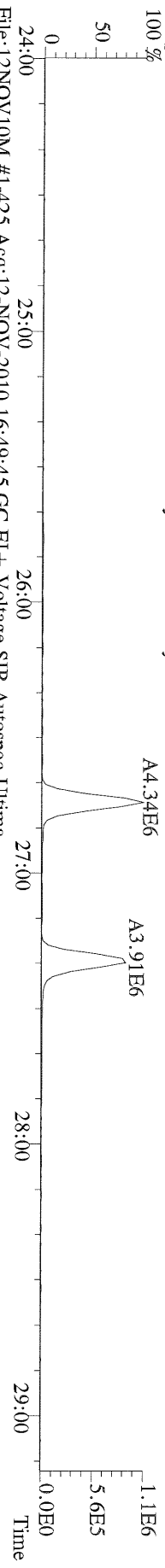
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory
100 %



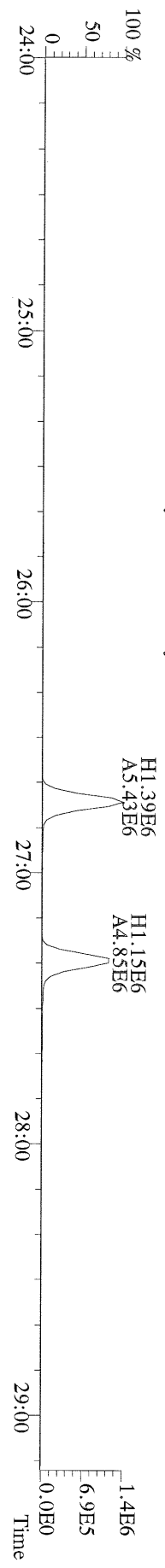
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory
100 %



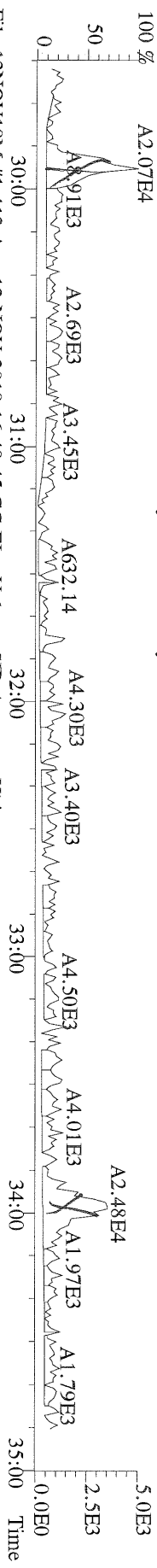
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory
100 %



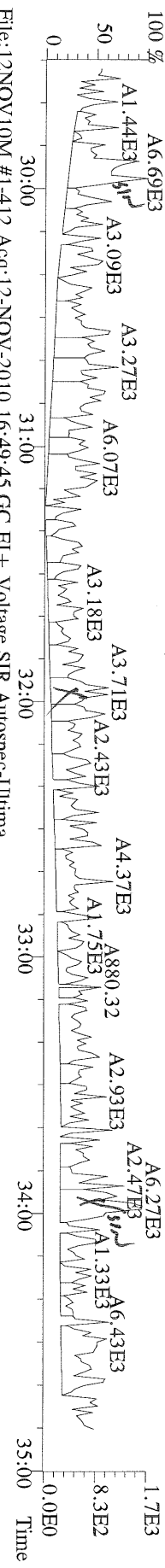
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333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



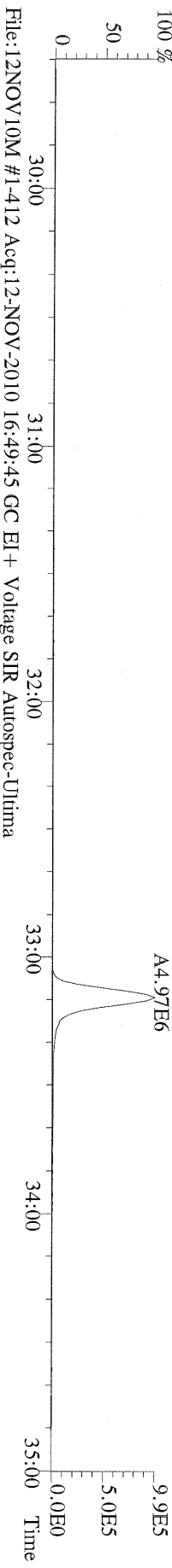
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 355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



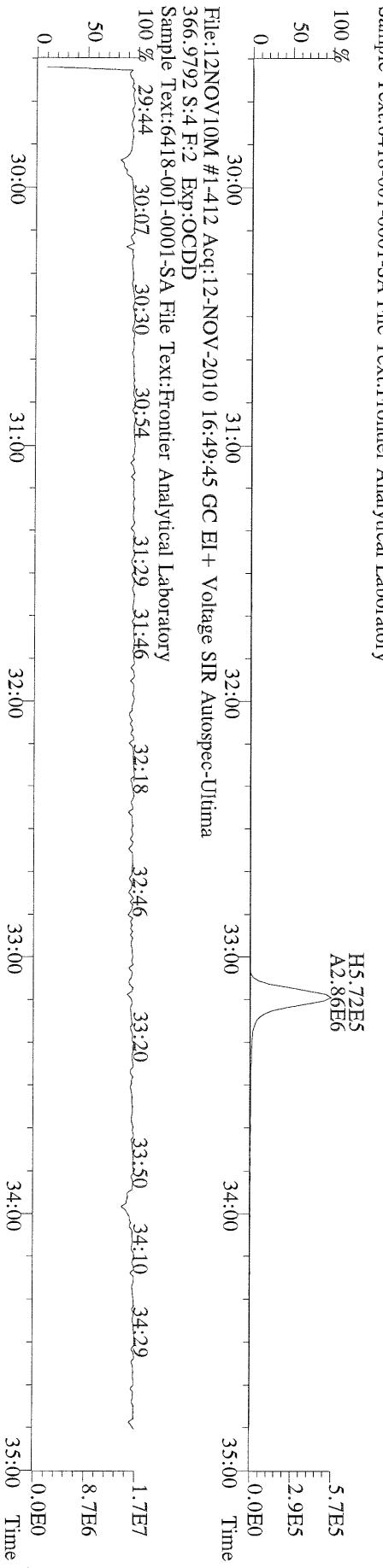
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 357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



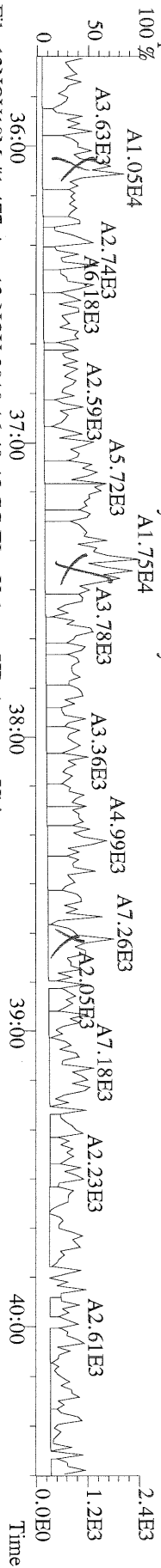
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



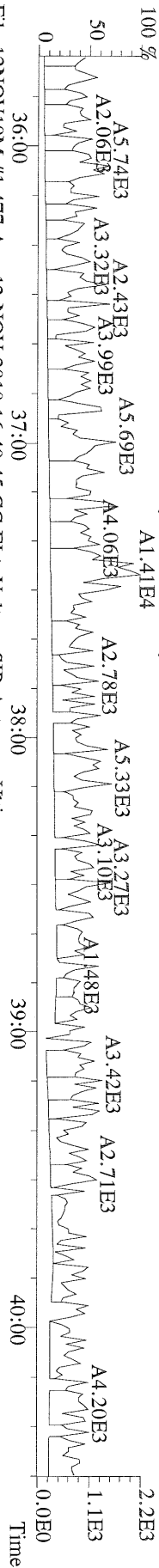
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 369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



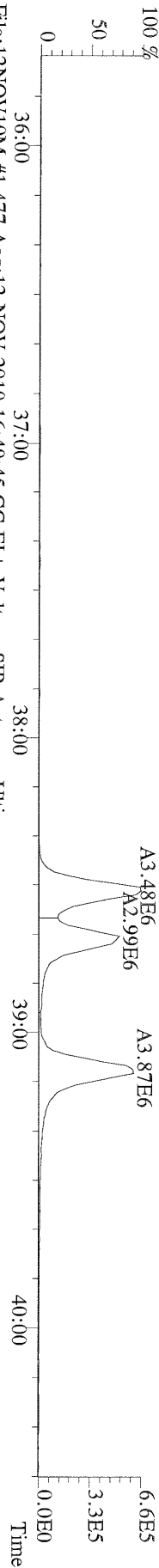
File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



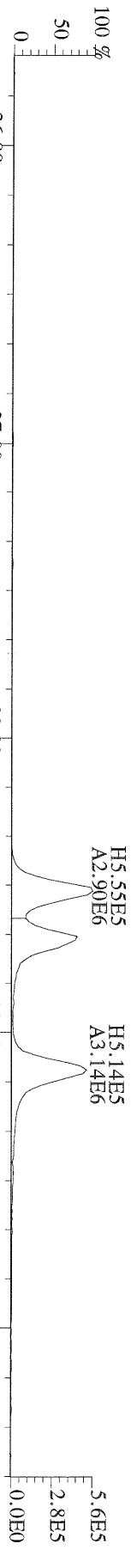
File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 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:6418-001-0001-SA File Text:Frontier Analytical Laboratory



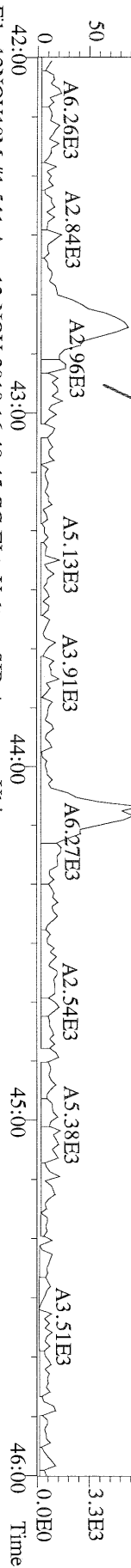
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 403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



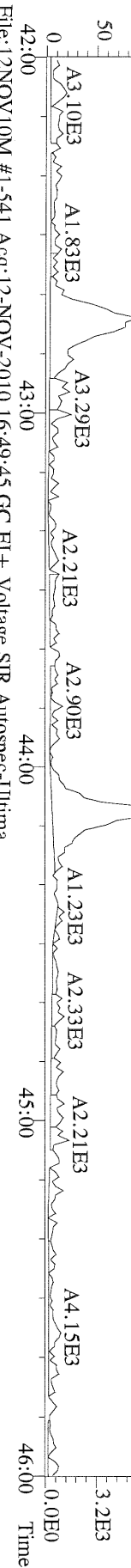
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 380.9760 S:4 F:3 Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



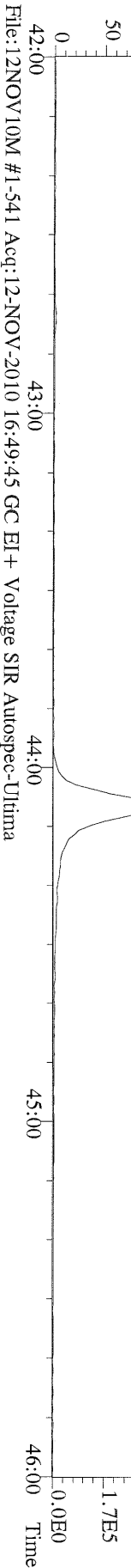
File:12NOV10M #1-541 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



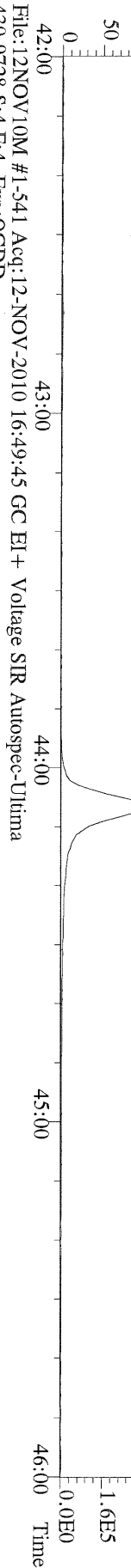
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425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



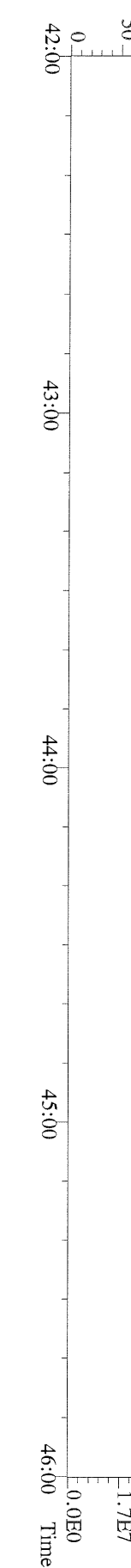
File:12NOV10M #1-541 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



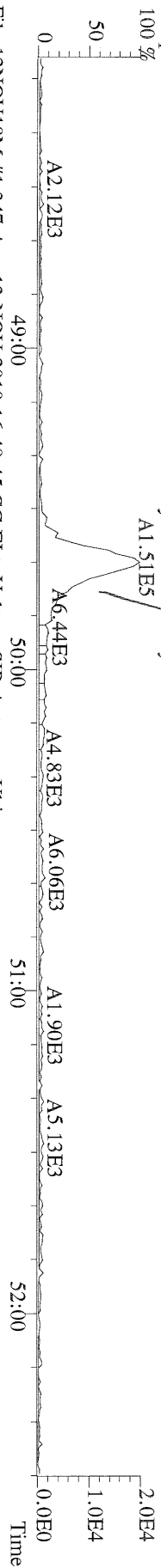
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437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



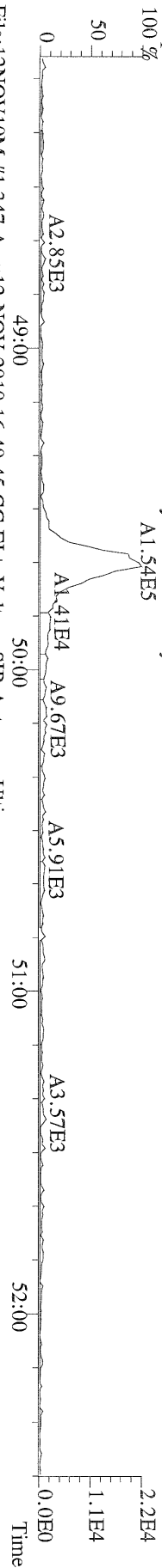
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430.9728 S:4 F:4 Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



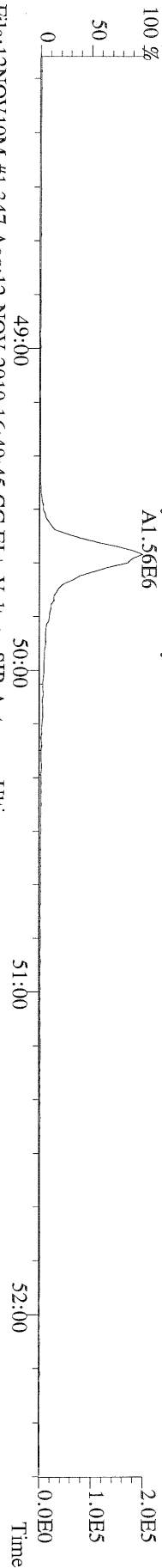
File: 12NOV10M #1-347 Acq: 12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text: 6418-001-0001-SA File Text: Frontier Analytical Laboratory



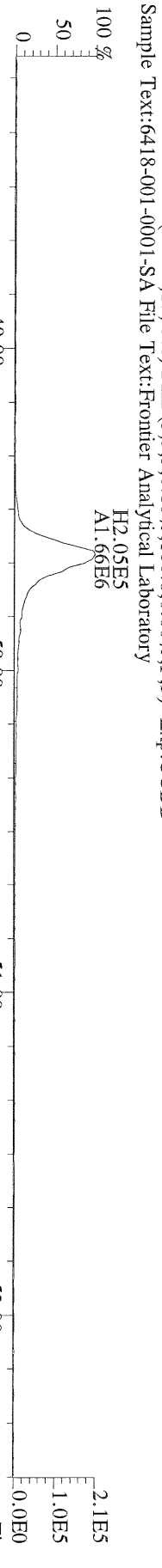
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459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text: 6418-001-0001-SA File Text: Frontier Analytical Laboratory



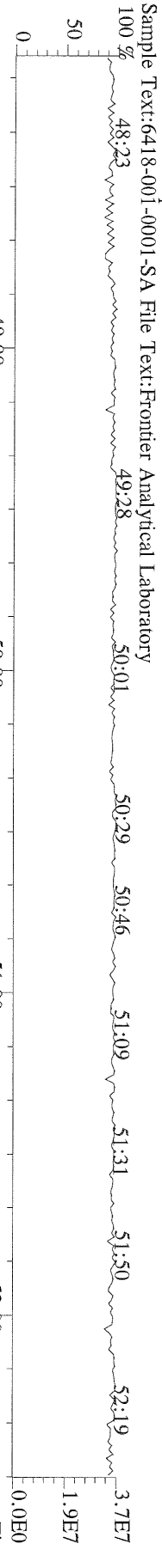
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469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text: 6418-001-0001-SA File Text: Frontier Analytical Laboratory



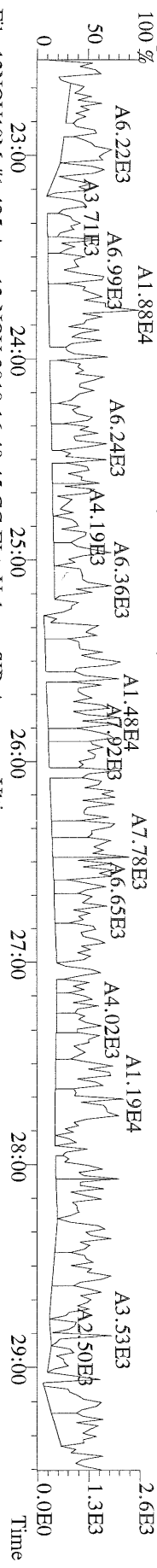
File: 12NOV10M #1-347 Acq: 12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text: 6418-001-0001-SA File Text: Frontier Analytical Laboratory



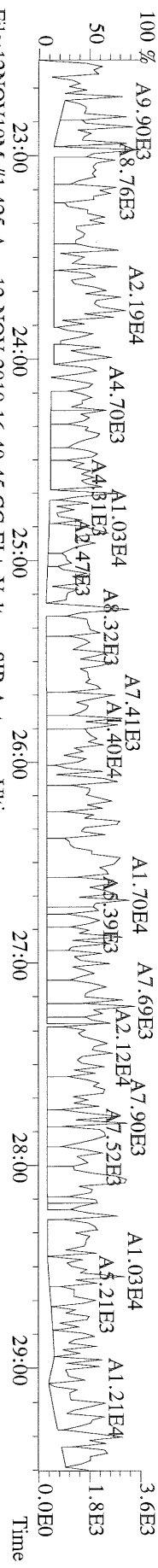
File: 12NOV10M #1-347 Acq: 12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:4 F:5 Exp:OCDD
Sample Text: 6418-001-0001-SA File Text: Frontier Analytical Laboratory



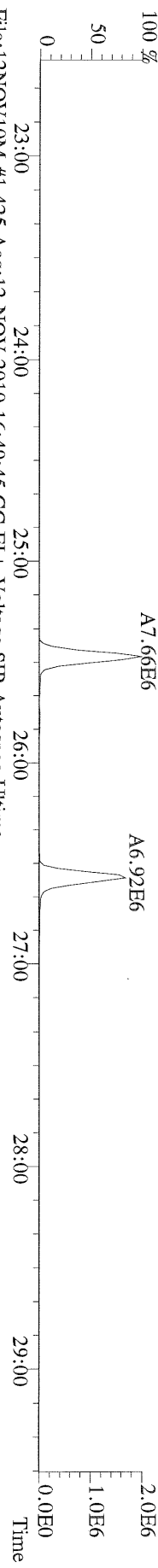
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



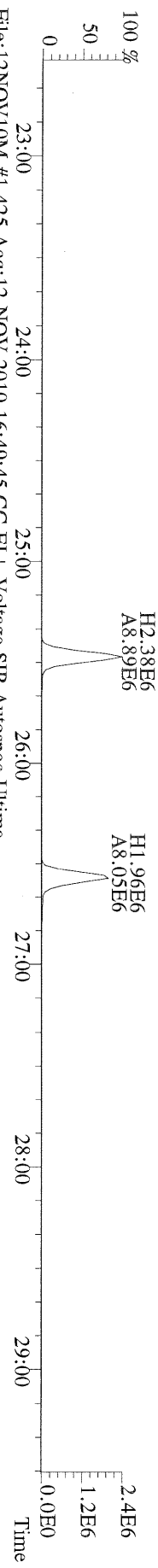
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



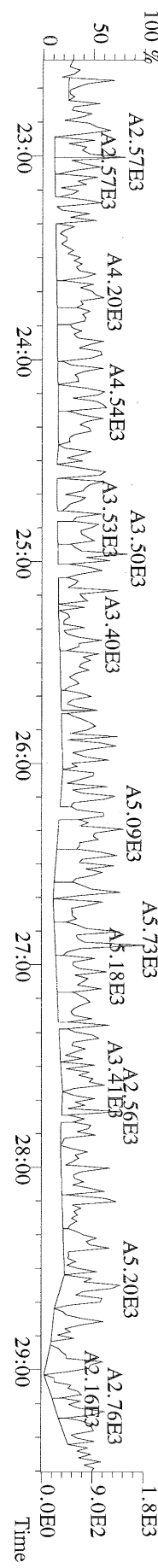
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



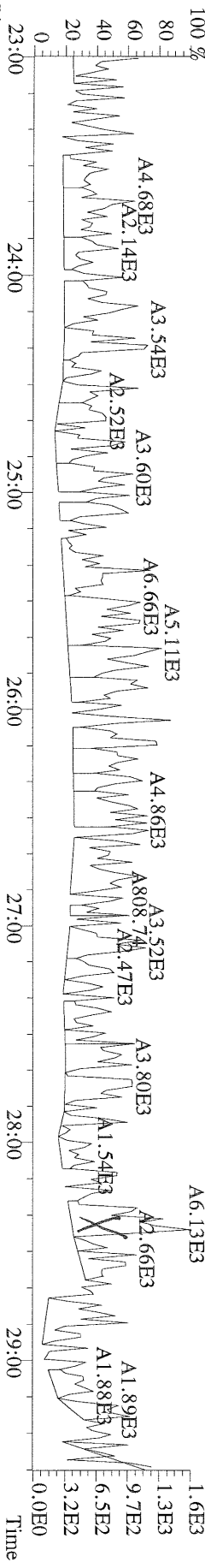
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



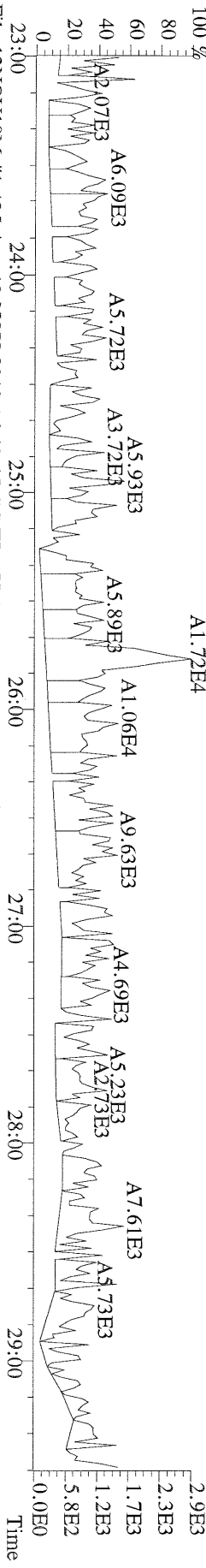
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



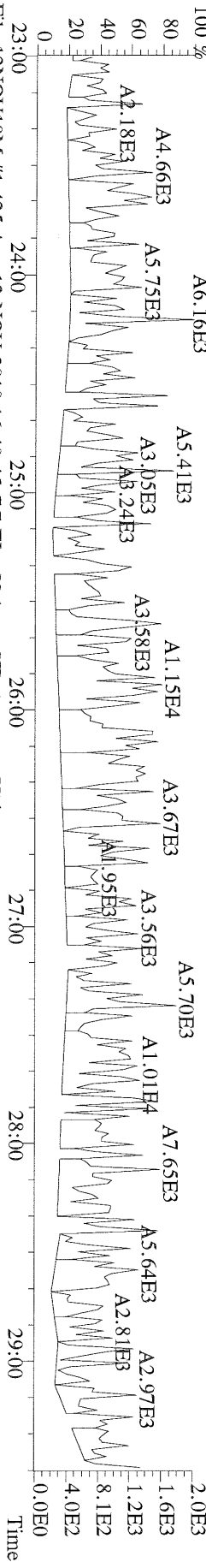
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



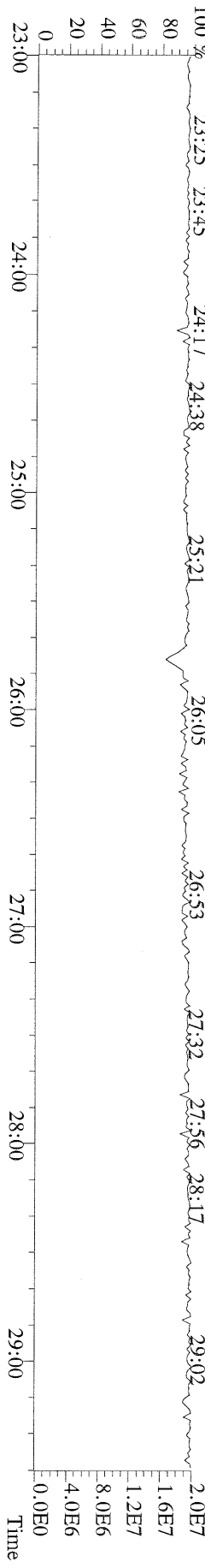
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



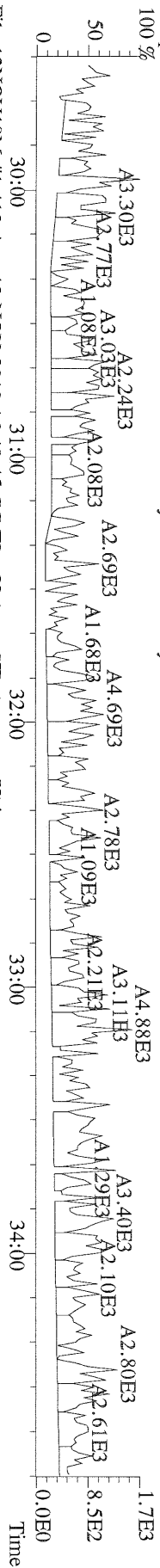
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



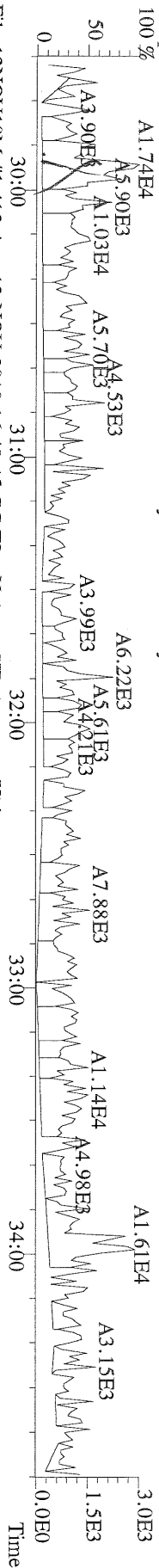
File:12NOV10M #1-425 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:4 Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



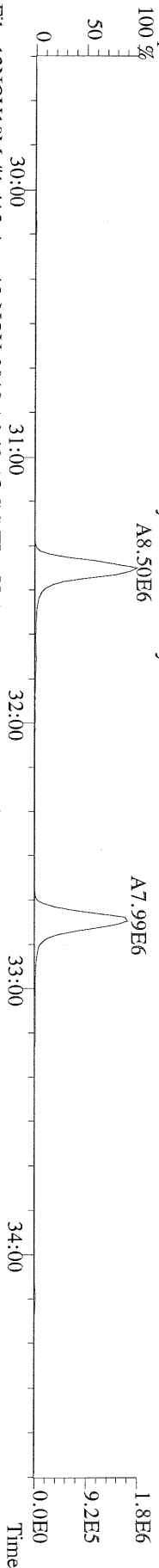
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



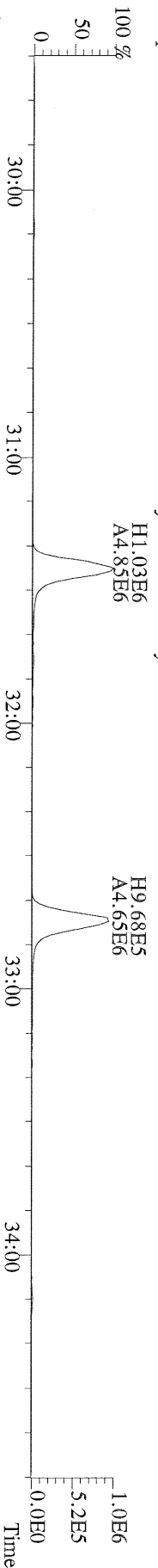
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



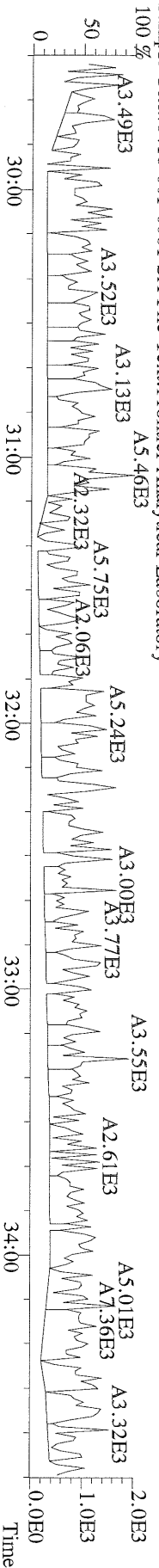
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



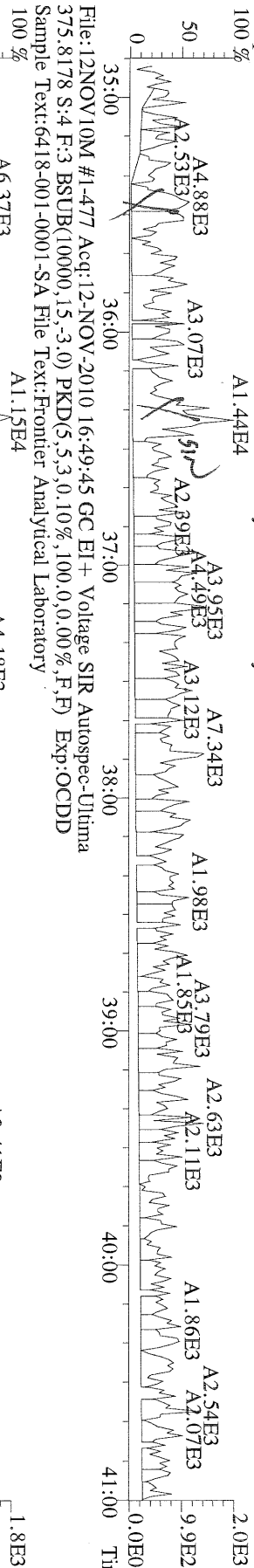
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



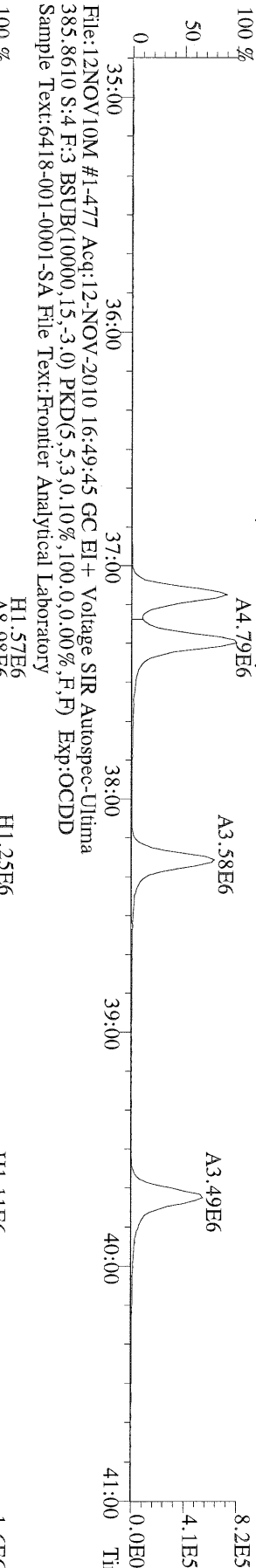
File:12NOV10M #1-412 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



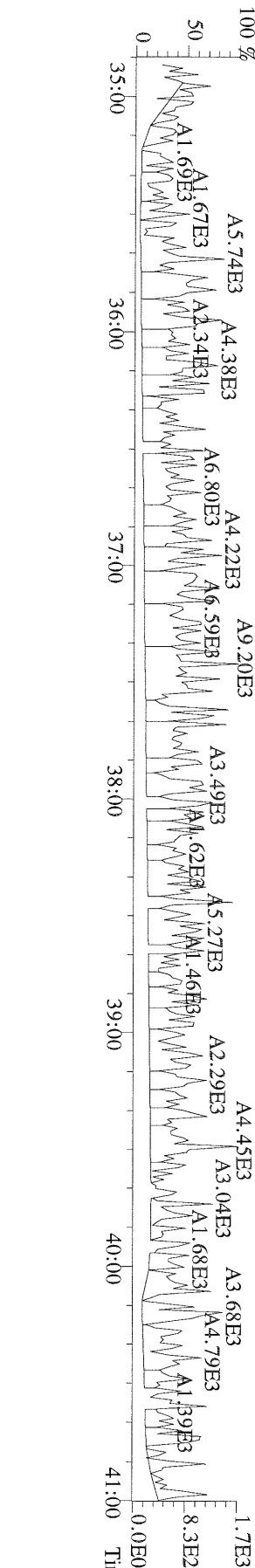
File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



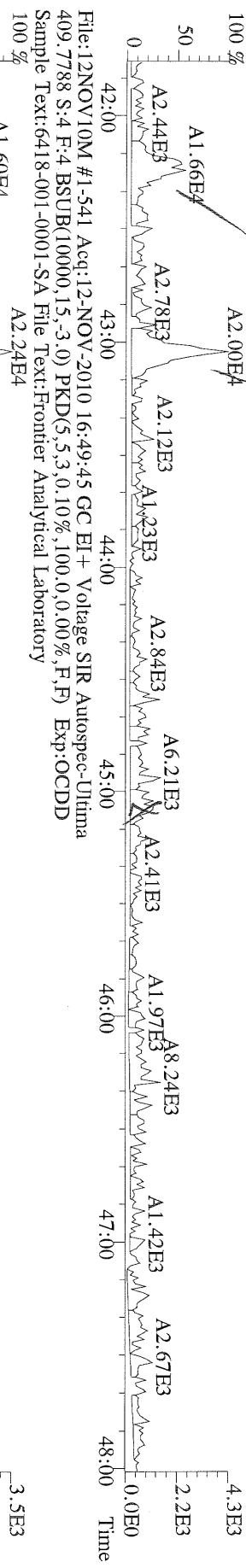
File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



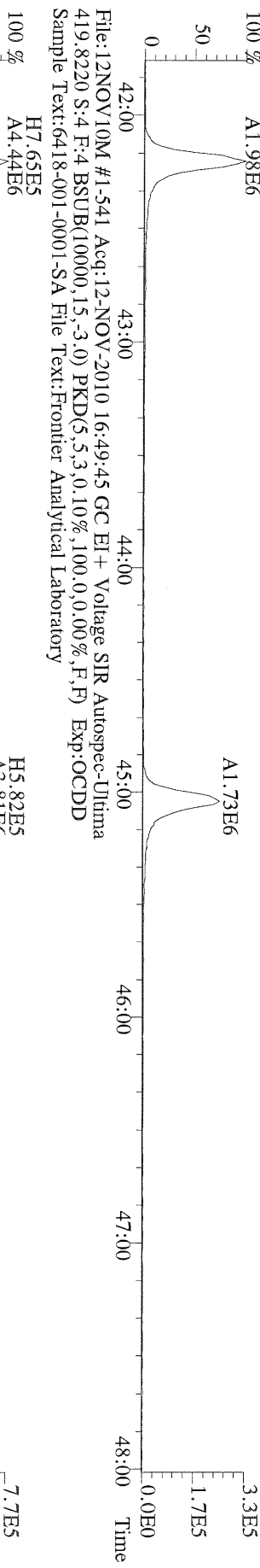
File:12NOV10M #1-477 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



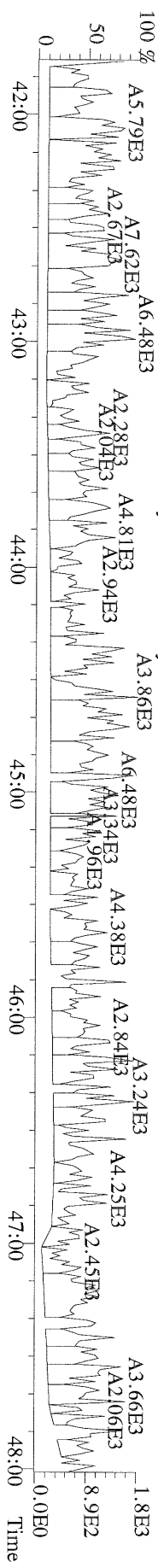
File:12NOV10M #1-541 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



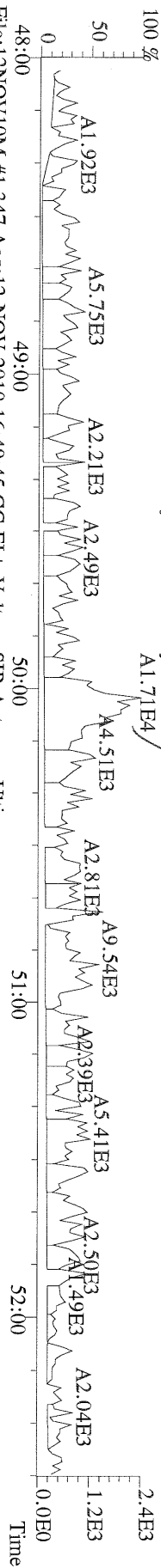
File:12NOV10M #1-541 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



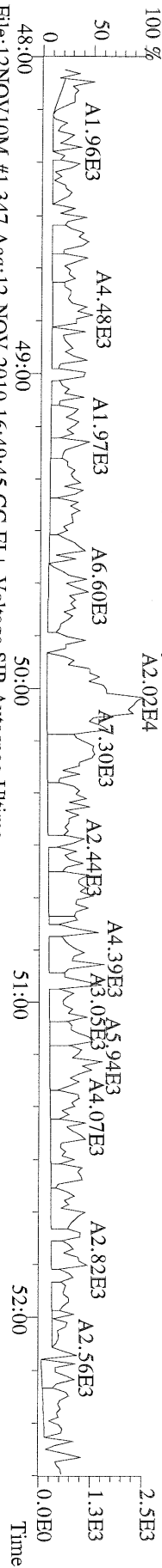
File:12NOV10M #1-541 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Frontier Analytical Laboratory



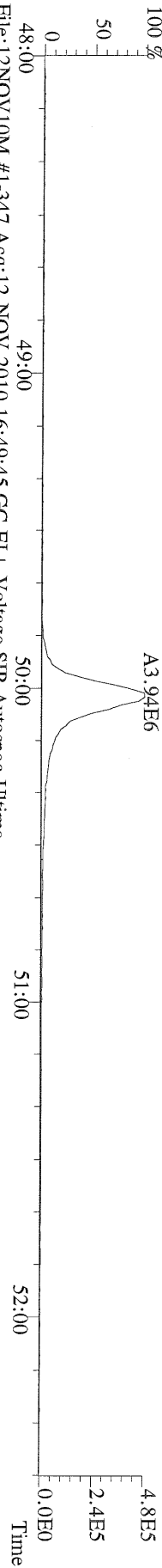
File:12NOV10M #1-347 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Fronter Analytical Laboratory



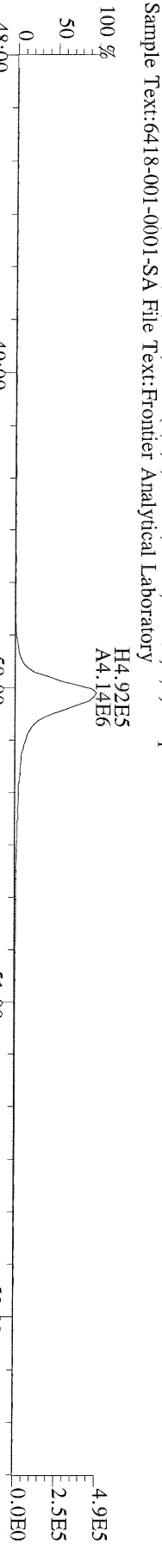
File:12NOV10M #1-347 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Fronter Analytical Laboratory



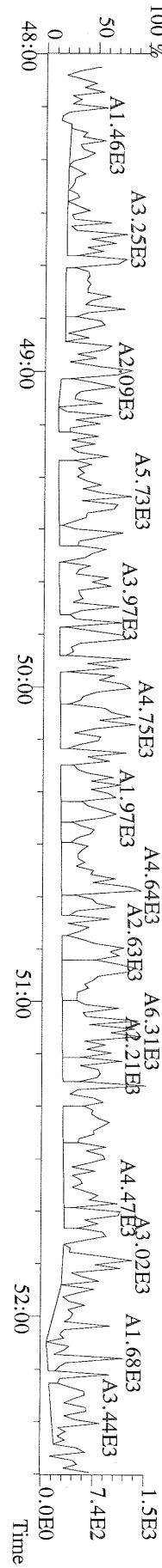
File:12NOV10M #1-347 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Fronter Analytical Laboratory



File:12NOV10M #1-347 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Fronter Analytical Laboratory



File:12NOV10M #1-347 Acq:12-NOV-2010 16:49:45 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-001-0001-SA File Text:Fronter Analytical Laboratory



671800
2/11/10

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	1.06e+06	0.83 y	27:23	1.11	32.2		2.50	-	-	*	
1,2,3,7,8-PeCDD	4.16e+06	1.74 y	33:14	1.10	134		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	8.98e+06	1.40 y	38:36	1.37	221		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	7.02e+07	1.27 y	38:46	1.37	2080		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	2.65e+07	1.28 y	39:13	1.36	719		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*	*	2.50	-	-	*	73,700
OCDD	*	* n	NotFnd	1.43	*	*	2.50	-	-	*	812,000
2,3,7,8-TCDF	4.82e+05	0.82 y	26:38	1.50	5.62	F	2.50	-	-	*	
1,2,3,7,8-PeCDF	9.54e+05	1.45 y	31:30	0.94	18.7		2.50	-	-	*	
2,3,4,7,8-PeCDF	5.02e+06	1.45 y	32:50	0.94	102		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	2.20e+07	1.17 y	37:13	0.93	493		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	1.13e+07	1.21 y	37:24	0.82	234	D,M	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.53e+07	1.20 y	38:22	0.92	336		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	1.87e+06	1.27 y	39:51	1.00	35.2		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*	*	2.50	-	-	*	17,400
1,2,3,4,7,8,9-HpCDF	2.97e+07	1.10 y	45:08	1.36	710		2.50	-	-	*	
OCDF	*	* n	NotFnd	0.79	*	*	2.50	-	-	*	101,000
13C-2,3,7,8-TCDD	1.17e+07	0.75 y	27:21	1.02	349					88.1	
13C-1,2,3,7,8-PeCDD	1.12e+07	1.69 y	33:13	0.84	405					102	
13C-1,2,3,4,7,8-HxCDD	1.17e+07	1.24 y	38:36	1.07	360					90.9	
13C-1,2,3,6,7,8-HxCDD	9.72e+06	1.24 y	38:46	1.01	317					80.0	
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.86	*	*				*	93.7%
13C-OCDD	*	* n	NotFnd	0.55	*	*				*	95.5%
13C-2,3,7,8-TCDF	2.26e+07	0.87 y	26:37	0.99	353					89.1	
13C-1,2,3,7,8-PeCDF	2.14e+07	1.73 y	31:29	0.84	396					100	
13C-2,3,4,7,8-PeCDF	2.08e+07	1.70 y	32:48	0.81	397					100	
13C-1,2,3,4,7,8-HxCDF	1.91e+07	0.53 y	37:12	1.85	340					85.9	
13C-1,2,3,6,7,8-HxCDF	2.33e+07	0.55 y	37:23	2.54	303					76.6	
13C-2,3,4,6,7,8-HxCDF	1.96e+07	0.55 y	38:20	2.01	321					81.0	
13C-1,2,3,7,8,9-HxCDF	2.10e+07	0.57 y	39:46	2.03	342					86.3	
13C-1,2,3,4,6,7,8-HpCDF	1.52e+07	0.47 y	42:19	1.11	452	*				107%	
13C-1,2,3,4,7,8,9-HpCDF	1.22e+07	0.48 y	45:08	0.80	501					127	
13C-OCDF	*	* n	NotFnd	1.08	*	*				*	97.1%
37Cl-2,3,7,8-TCDD	3.35e+06		27:23	0.69	149					93.9	
13C-1,2,3,4-TCDD	1.30e+07	0.74 y	26:47	-	5.73						
13C-1,2,3,4-TCDF	2.56e+07	0.86 y	25:31	-	7.00						
13C-1,2,3,7,8,9-HxCDD	1.20e+07	1.24 y	39:12	-	8.62						
Total Tetra-Dioxins	6.47e+06		24:22	1.11	197		2.50	-	-	*	15
Total Penta-Dioxins	2.97e+07		30:14	1.10	954		2.50	-	-	*	10
Total Hexa-Dioxins	4.39e+08		36:09	1.37	12000		2.50	-	-	*	7
Total Hepta-Dioxins	*		NotFnd	1.45	*	*	2.50	-	-	*	0 154,000
Total Tetra-Furans	3.21e+07		23:00	1.50	373	D,M	2.50	-	-	*	24
1st Fn. Tot Penta-Furans	3.14e+07		28:26	0.94	627	D,M	2.50	-	-	*	PeCDF 1
Total Penta-Furans	4.69e+07		30:04	0.94	939	D,M	2.50	-	-	*	1570 14
Total Hexa-Furans	8.04e+08		35:15	0.91	16900	D,M	2.50	-	-	*	11 65,700
Total Hepta-Furans	3.54e+07		42:52	1.38	831	*	2.50	-	-	*	2 7,100 71,600

Analyst: J

Date: 11/9/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 1

Acquired: 8-NOV-10 22:05:20

Total Concentration: 197

Unnamed Concentration: 164.371

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:22	4.01e+05	5.36e+05	0.75 y	9.37e+05	28.5	
24:39	2.60e+05	3.43e+05	0.76 y	6.03e+05	18.3	
24:57	1.15e+05	1.44e+05	0.80 y	2.58e+05	7.86	
25:35	3.82e+04	4.81e+04	0.79 y	8.63e+04	2.62	
25:46	1.20e+05	1.66e+05	0.73 y	2.86e+05	8.70	
25:56	6.35e+05	8.17e+05	0.78 y	1.45e+06	44.1	
26:05	7.05e+04	8.68e+04	0.81 y	1.57e+05	4.78	
26:17	6.95e+04	9.15e+04	0.76 y	1.61e+05	4.90	
26:27	9.15e+04	1.15e+05	0.80 y	2.06e+05	6.27	
26:48	3.59e+05	4.43e+05	0.81 y	8.02e+05	24.4	
27:09	4.55e+04	5.17e+04	0.88 y	9.72e+04	2.95	
27:23	4.80e+05	5.80e+05	0.83 y	1.06e+06	32.2	2,3,7,8-TCDD
27:41	1.16e+05	1.49e+05	0.78 y	2.65e+05	8.06	
27:49	1.96e+04	2.42e+04	0.81 y	4.38e+04	1.33	
28:20	2.20e+04	2.81e+04	0.79 y	5.01e+04	1.52	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 2

Acquired: 8-NOV-10 22:05:20

Total Concentration: 954

Unnamed Concentration: 820.172

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:14	7.28e+06	4.14e+06	1.76 y	1.14e+07	367	
30:51	6.04e+05	3.41e+05	1.77 y	9.45e+05	30.3	
31:29	1.27e+06	7.22e+05	1.76 y	2.00e+06	64.1	
31:43	3.77e+06	2.14e+06	1.76 y	5.91e+06	190	
31:50	1.23e+06	7.19e+05	1.70 y	1.95e+06	62.5	
32:09	1.12e+06	6.55e+05	1.71 y	1.77e+06	57.0	
32:37	3.18e+05	1.93e+05	1.64 y	5.11e+05	16.4	
33:14	2.64e+06	1.52e+06	1.74 y	4.16e+06	134	1,2,3,7,8-PeCDD
33:20	3.22e+05	1.86e+05	1.73 y	5.07e+05	16.3	
33:49	3.38e+05	1.93e+05	1.75 y	5.30e+05	17.0	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 3

Acquired: 8-NOV-10 22:05:20

Total Concentration: 12000

Unnamed Concentration: 8996.873

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:09	7.39e+07	5.77e+07	1.28 y	1.32e+08	3550	
37:05	6.86e+06	5.31e+06	1.29 y	1.22e+07	329	
37:30	1.04e+08	8.19e+07	1.27 y	1.86e+08	5020	
38:36	5.23e+06	3.75e+06	1.40 y	8.98e+06	221	1,2,3,4,7,8-HxCDD
38:46	3.93e+07	3.09e+07	1.27 y	7.02e+07	2080	1,2,3,6,7,8-HxCDD
39:04	1.91e+06	1.50e+06	1.27 y	3.41e+06	92.1	
39:13	1.49e+07	1.16e+07	1.28 y	2.65e+07	719	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 1

Acquired: 8-NOV-10 22:05:20

Total Concentration: 373

Unnamed Concentration: 367.723

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:00	2.56e+05	3.04e+05	0.84 y	5.60e+05	6.52	
23:22	4.09e+05	4.86e+05	0.84 y	8.95e+05	10.4	
23:45	2.91e+06	3.53e+06	0.82 y	6.44e+06	75.0	
24:05	3.45e+05	4.22e+05	0.82 y	7.67e+05	8.94	
24:09	3.49e+05	4.12e+05	0.85 y	7.61e+05	8.86	
24:24	8.62e+05	1.04e+06	0.82 y	1.91e+06	22.2	
24:42	1.14e+06	1.38e+06	0.83 y	2.52e+06	29.4	
24:55	1.34e+05	1.57e+05	0.85 y	2.90e+05	3.38	
25:17	2.14e+05	2.66e+05	0.80 y	4.81e+05	5.60	
25:25	1.18e+06	1.43e+06	0.82 y	2.61e+06	30.4	
25:31	2.42e+05	2.82e+05	0.86 y	5.24e+05	6.10	
25:47	6.24e+05	7.48e+05	0.83 y	1.37e+06	16.0	
25:54	1.68e+05	2.02e+05	0.83 y	3.70e+05	4.31	
26:06	7.53e+04	9.16e+04	0.82 y	1.67e+05	1.94	
26:15	9.03e+04	1.07e+05	0.84 y	1.97e+05	2.30	
26:26	1.10e+05	1.32e+05	0.84 y	2.42e+05	2.82	
26:31	2.16e+05	2.72e+05	0.80 y	4.88e+05	5.68	
26:38	2.17e+05	2.65e+05	0.82 y	4.82e+05	5.62	2,3,7,8-TCDF
26:45	4.01e+04	5.11e+04	0.78 y	9.12e+04	1.06	
26:57	1.52e+05	1.88e+05	0.81 y	3.40e+05	3.96	
27:22	3.13e+05	3.81e+05	0.82 y	6.94e+05	8.09	
27:52	1.90e+06	2.25e+06	0.85 y	4.15e+06	48.4	
28:05	1.85e+06	2.10e+06	0.88 y	3.95e+06	46.0	
28:27	7.99e+05	9.54e+05	0.84 y	1.75e+06	20.4	

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

Run: 15 File: 08NOV10M S: 11 I: 1 F: 1
Acquired: 8-NOV-10 22:05:20

Total Concentration: 627 Unnamed Concentration: 627.054

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:26	1.87e+07	1.26e+07 1.48 y	3.14e+07	627	

Totals class: Total Penta-Furans

Entry #: 44

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 2

Acquired: 8-NOV-10 22:05:20

Total Concentration: 939

Unnamed Concentration: 817.997

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:04	1.06e+06	7.66e+05	1.39 y	1.83e+06	36.6	
30:14	1.16e+07	7.74e+06	1.50 y	1.94e+07	387	
30:35	1.02e+05	6.89e+04	1.49 y	1.71e+05	3.42	
30:44	2.60e+05	1.80e+05	1.44 y	4.39e+05	8.78	
30:56	4.03e+06	2.72e+06	1.48 y	6.75e+06	135	
31:15	2.97e+05	2.20e+05	1.35 y	5.17e+05	10.3	
31:30	5.64e+05	3.90e+05	1.45 y	9.54e+05	18.7	1,2,3,7,8-PeCDF
31:46	4.24e+06	2.91e+06	1.46 y	7.15e+06	143	
32:05	6.43e+05	4.55e+05	1.41 y	1.10e+06	21.9	
32:41	1.82e+05	1.03e+05	1.77 y	2.85e+05	5.70	
32:50	2.97e+06	2.04e+06	1.45 y	5.02e+06	102	2,3,4,7,8-PeCDF
32:53	7.41e+05	4.77e+05	1.55 y	1.22e+06	24.4	
33:57	2.61e+05	1.82e+05	1.43 y	4.43e+05	8.85	
34:08	9.81e+05	6.92e+05	1.42 y	1.67e+06	33.4	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 3

Acquired: 8-NOV-10 22:05:20

Total Concentration: 16900

Unnamed Concentration: 15795.402

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	2.57e+07	2.24e+07	1.15 y	4.81e+07	1010	
35:32	1.12e+08	9.24e+07	1.21 y	2.04e+08	4290	
36:08	2.57e+06	2.21e+06	1.17 y	4.78e+06	100	
36:27	2.64e+08	2.17e+08	1.22 y	4.81e+08	10100	
37:03	7.80e+05	5.71e+05	1.36 y	1.35e+06	28.3	
37:13	1.19e+07	1.01e+07	1.17 y	2.20e+07	493	1,2,3,4,7,8-HxCDF
37:24	6.18e+06	5.11e+06	1.21 y	1.13e+07	234	1,2,3,6,7,8-HxCDF
37:52	5.46e+05	4.70e+05	1.16 y	1.02e+06	21.3	
38:07	6.96e+06	5.82e+06	1.20 y	1.28e+07	268	
38:22	8.30e+06	6.95e+06	1.20 y	1.53e+07	336	2,3,4,6,7,8-HxCDF
39:51	1.04e+06	8.20e+05	1.27 y	1.87e+06	35.2	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 15

File: 08NOV10M

S: 11 I: 1 F: 4

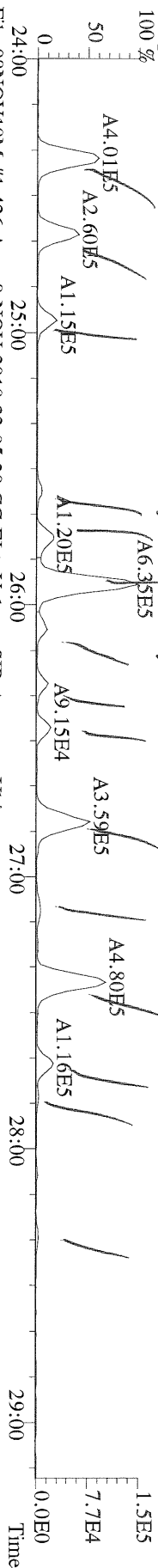
Acquired: 8-NOV-10 22:05:20

Total Concentration: 831

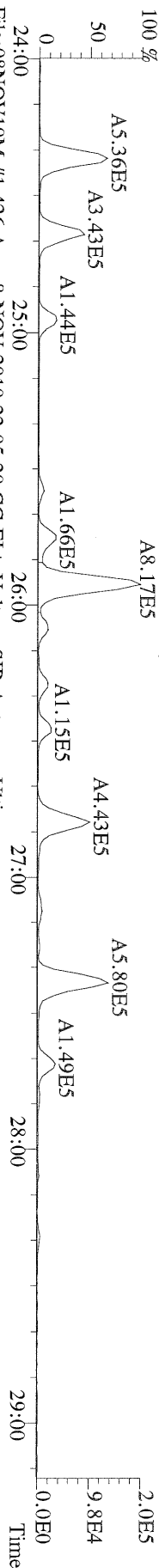
Unnamed Concentration: *

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:52	2.80e+06	2.96e+06	0.95 y	5.76e+06	121	
45:08	1.55e+07	1.41e+07	1.10 y	2.97e+07	710	1,2,3,4,7,8,9-HpCDF

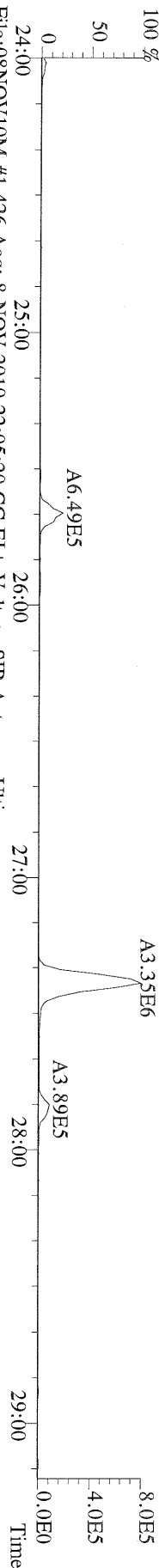
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



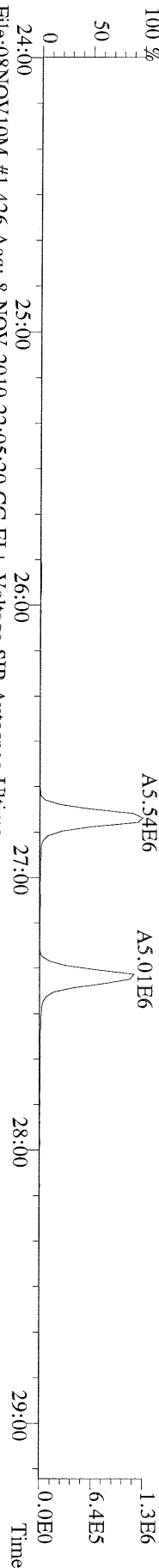
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
321.8936 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



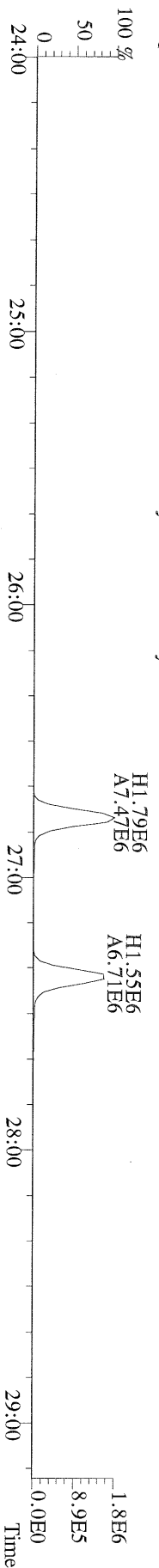
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



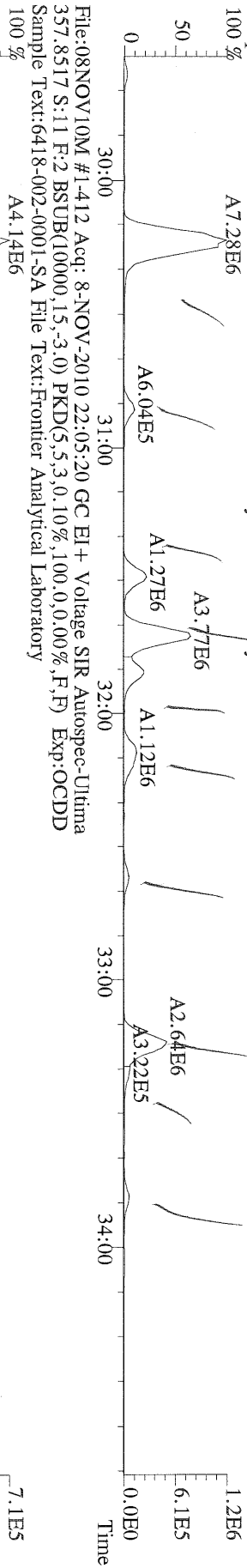
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



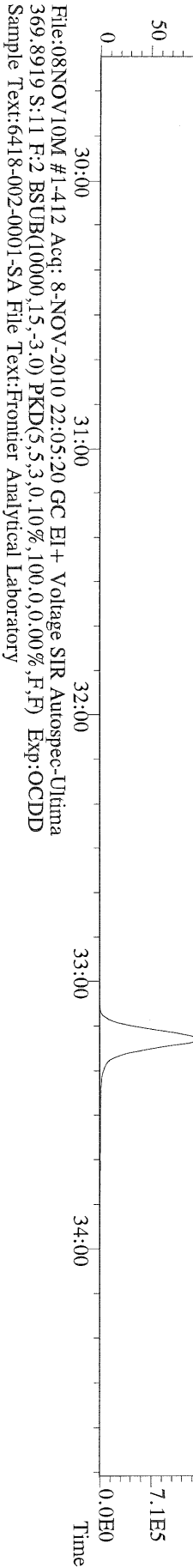
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



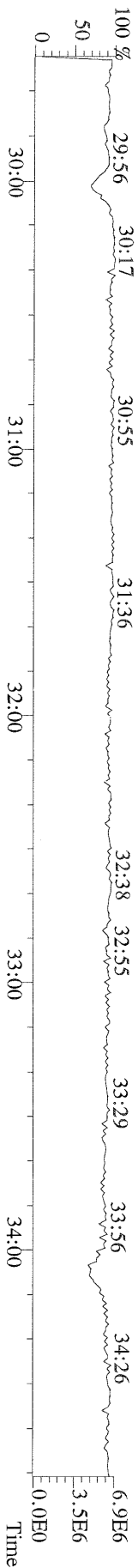
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



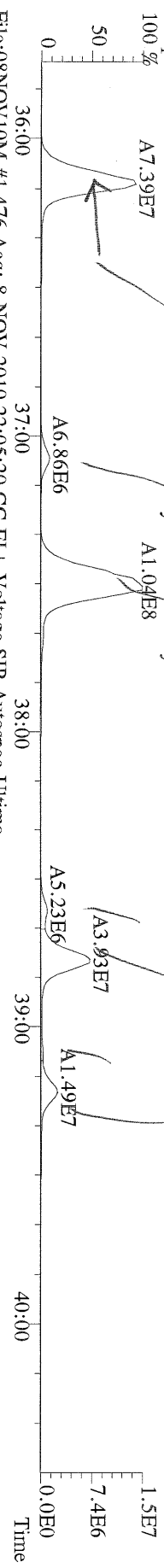
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



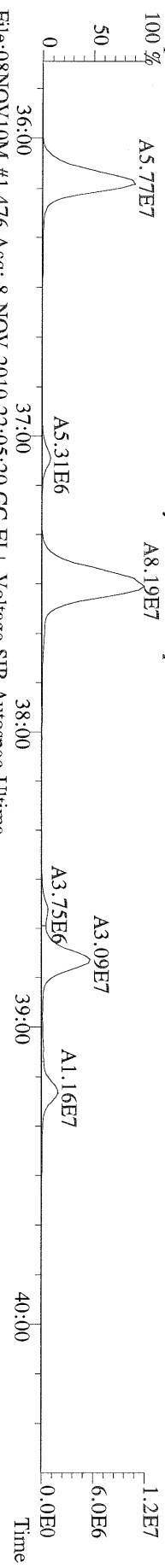
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:11 F:2 Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



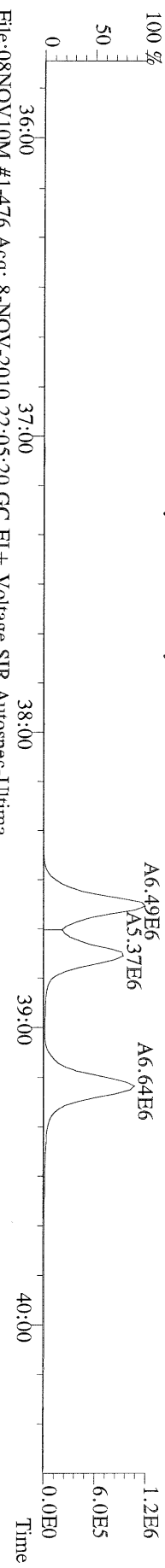
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



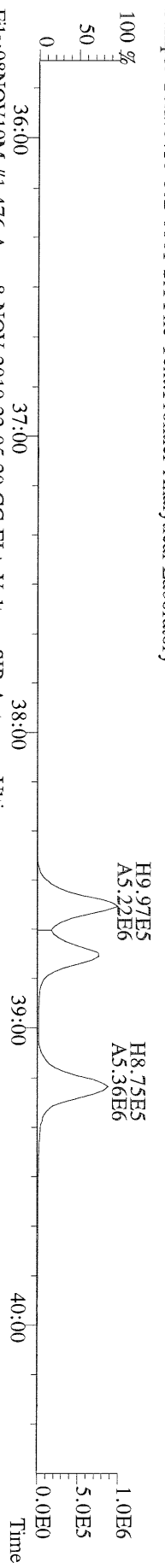
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



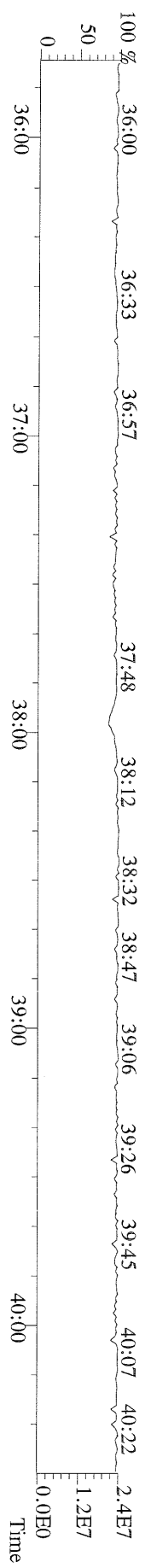
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



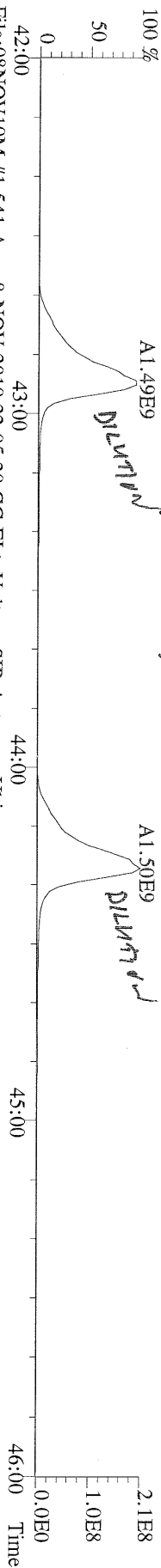
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
 403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



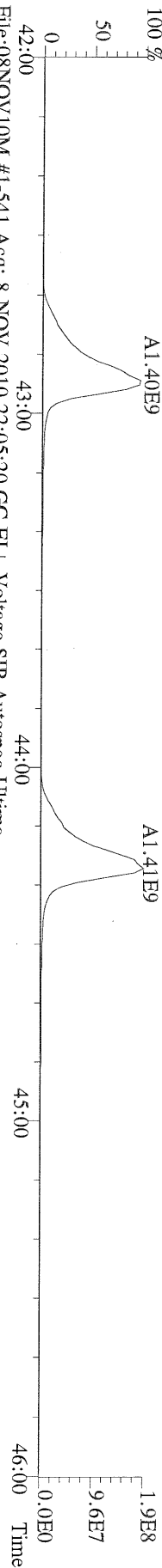
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:11 F:3 Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



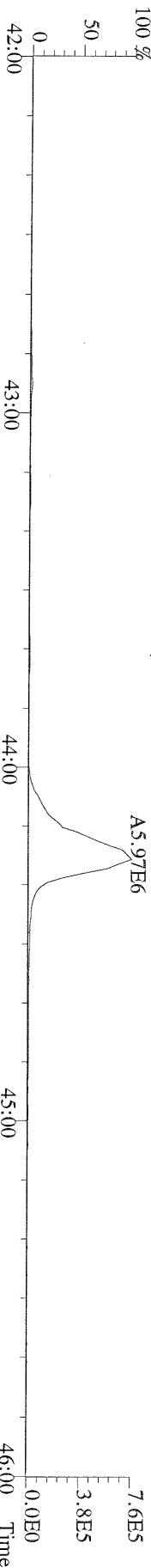
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



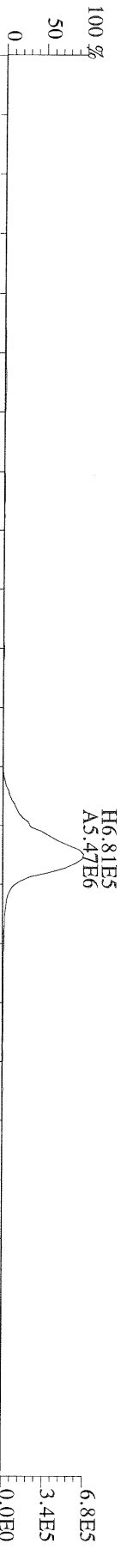
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



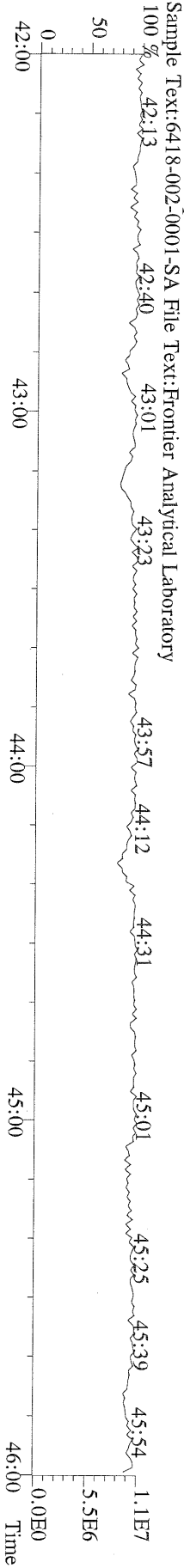
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



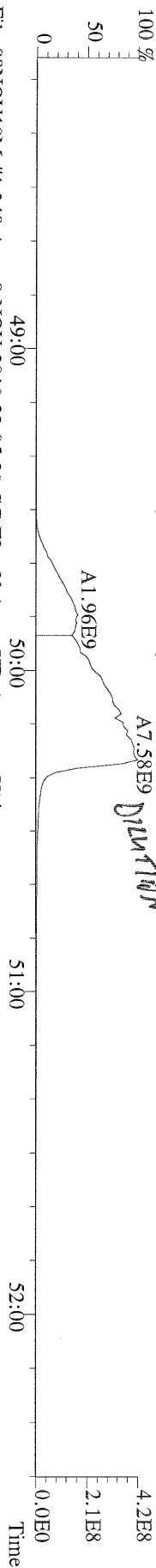
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



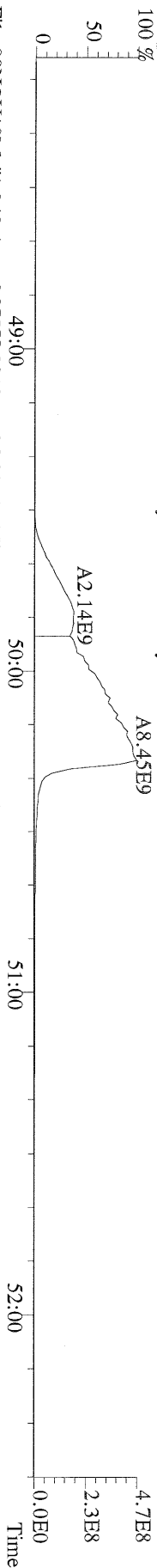
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
430.9728 S:11 F:4 Exp:OCDD



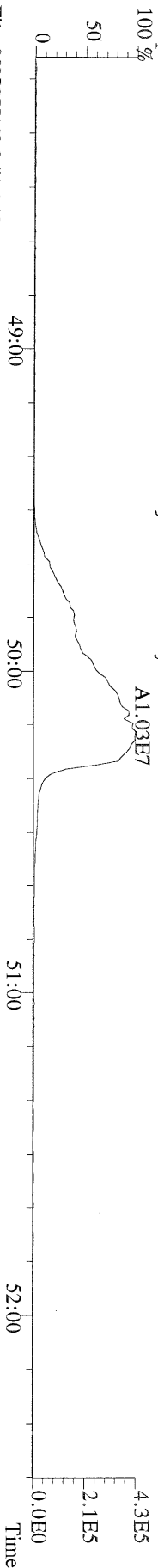
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
457.7377 S:1.1 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



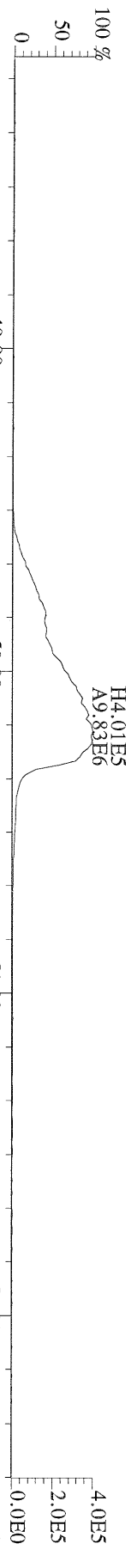
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
459.7348 S:1.1 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



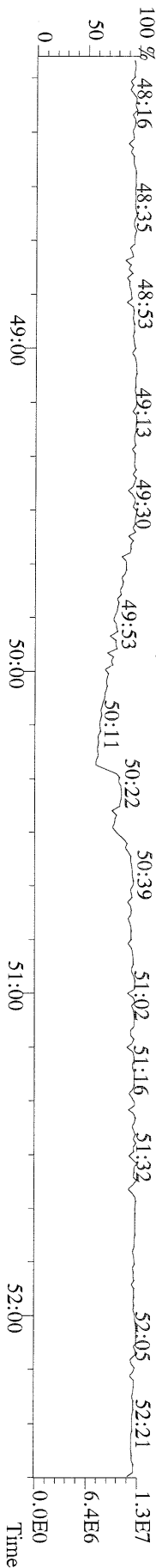
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
469.7780 S:1.1 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



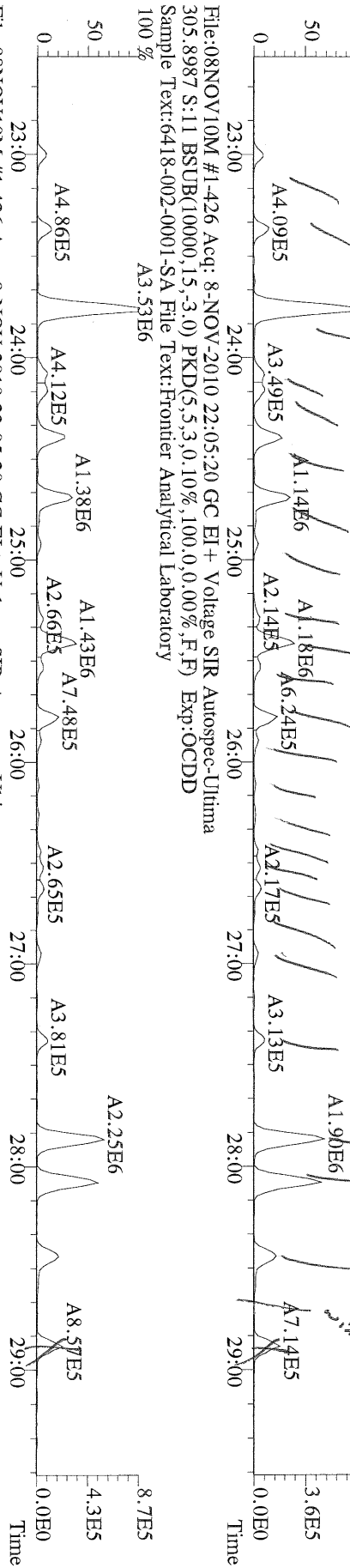
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
471.7750 S:1.1 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



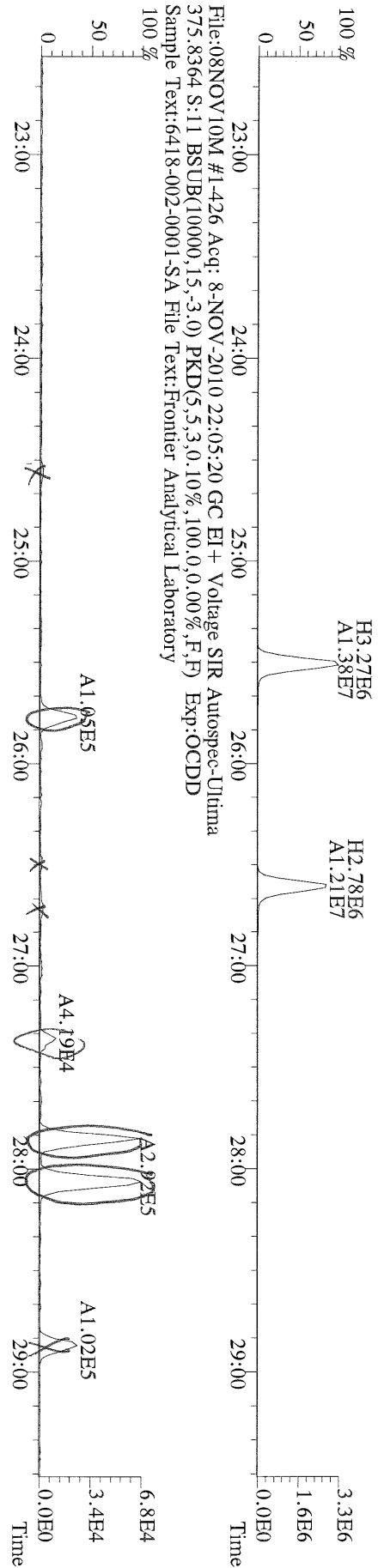
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
454.9728 S:1.1 F:5 Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



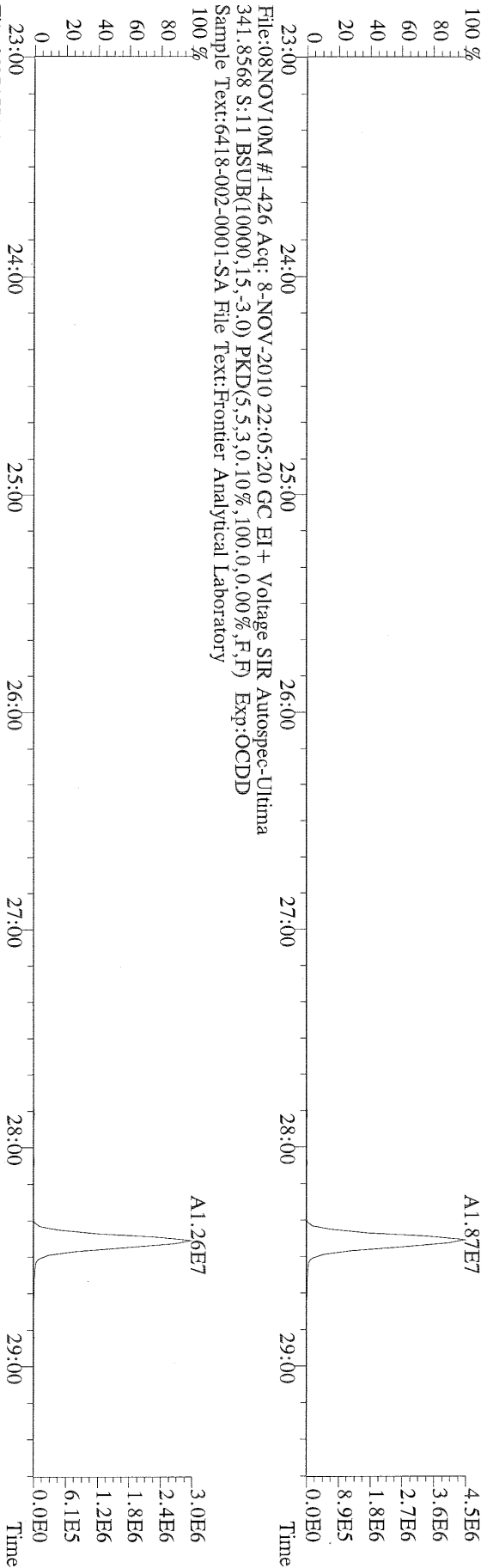
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



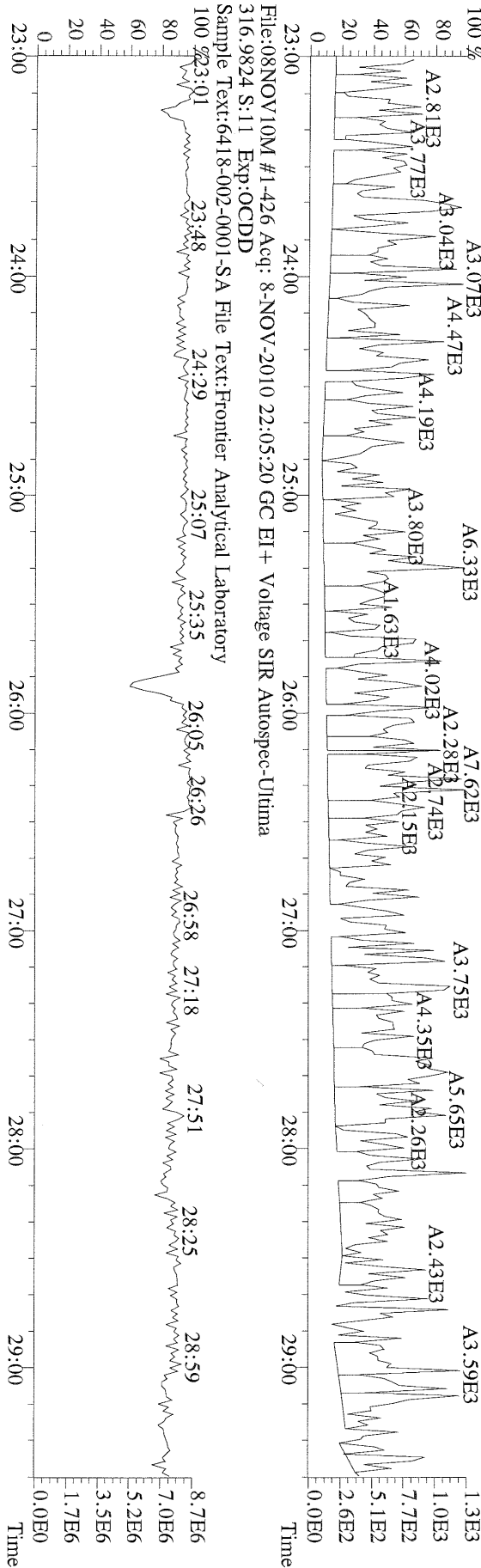
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
315.9419 S:11 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



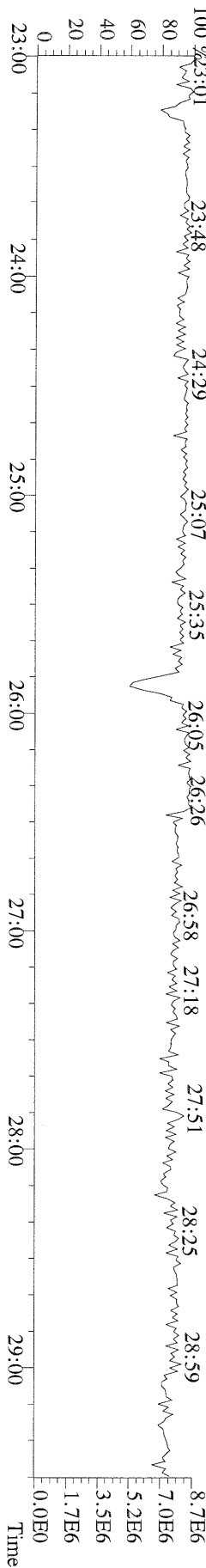
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
 339.8597 S:1.1 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



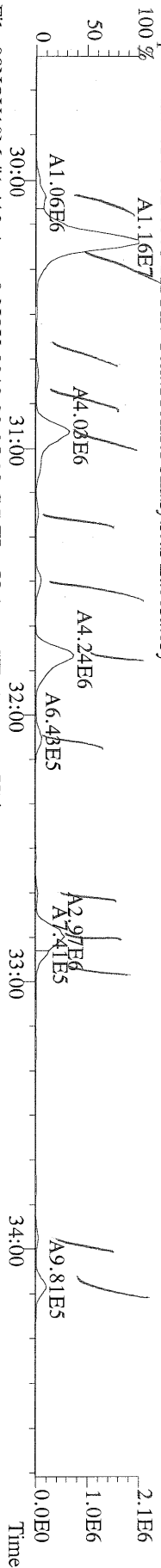
File:08NOV10M #1-426 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Ultima
 409.7974 S:1.1 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



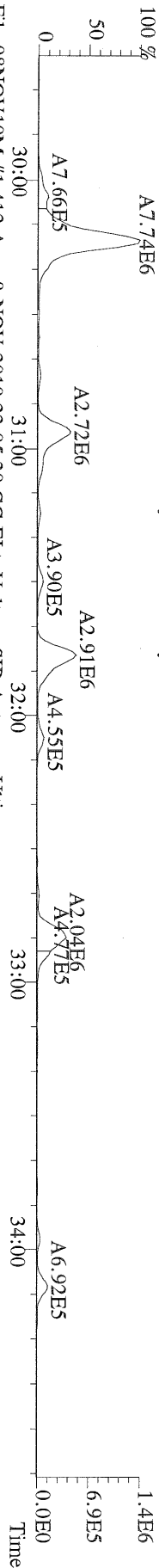
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 316.9824 S:1.1 Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



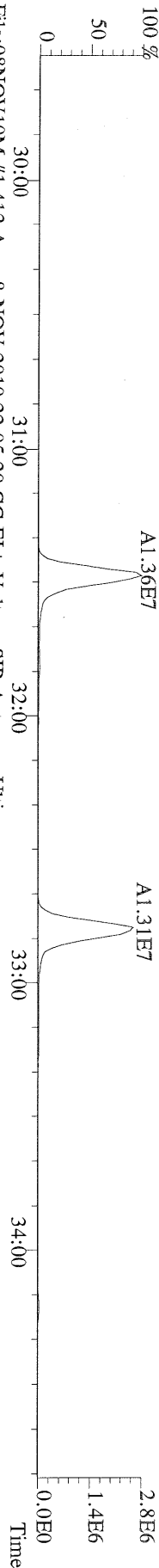
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



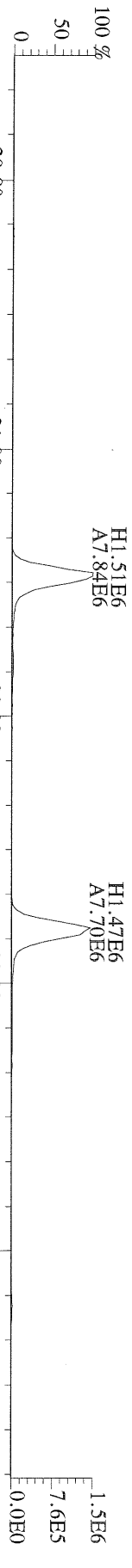
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
341.8568 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



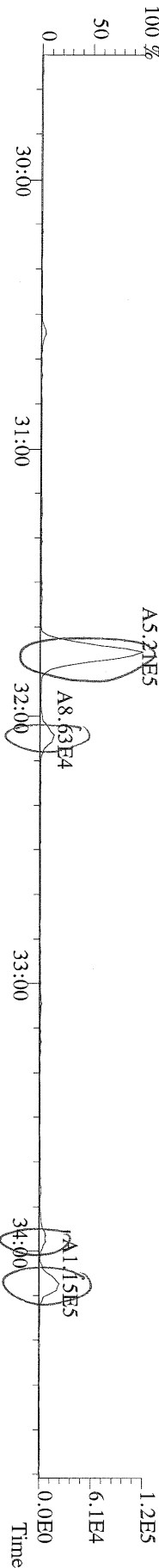
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



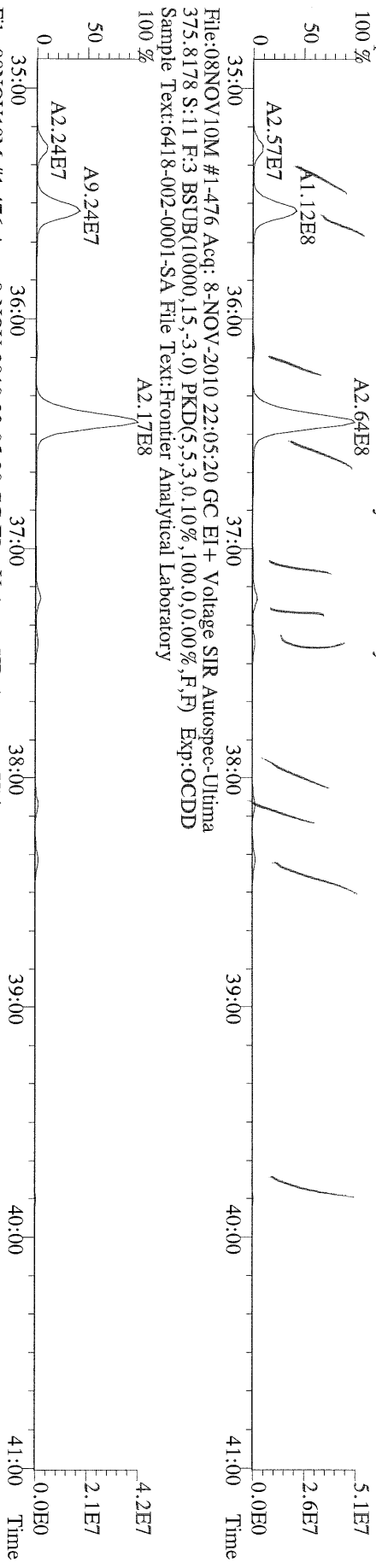
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
353.8970 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



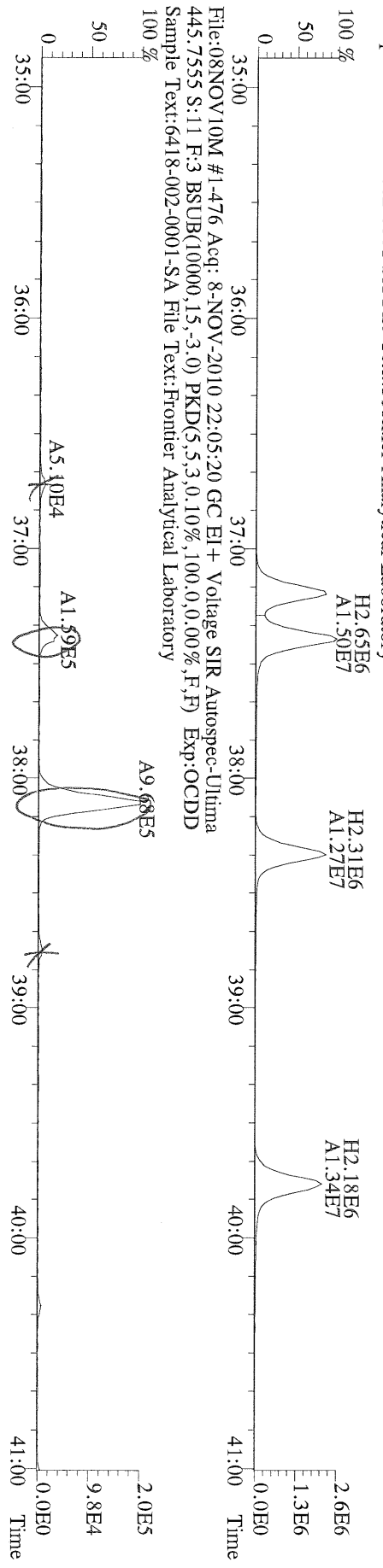
File:08NOV10M #1-412 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



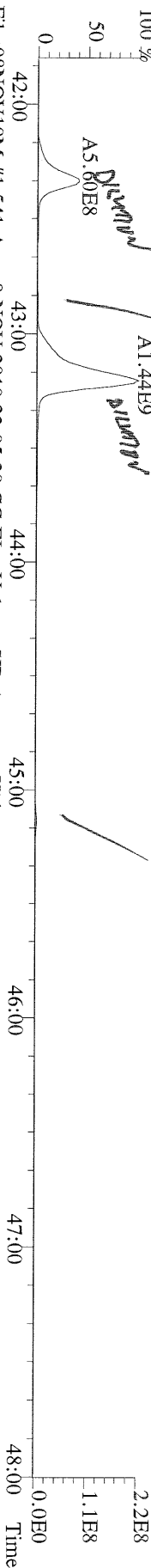
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



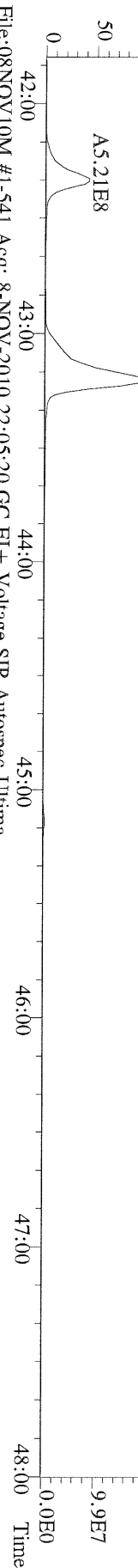
File:08NOV10M #1-476 Acq: 8-NOV-2010 22:05:20 GC EI + Voltage SIR Autospec-Utima
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



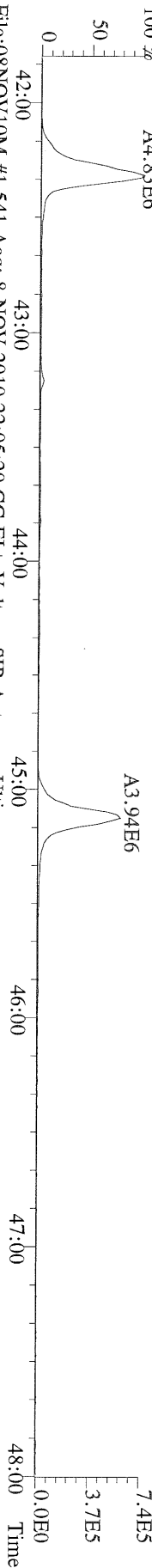
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
407.7818 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



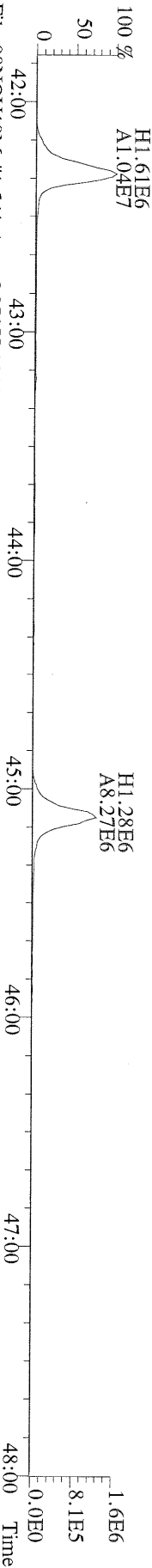
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
409.7788 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



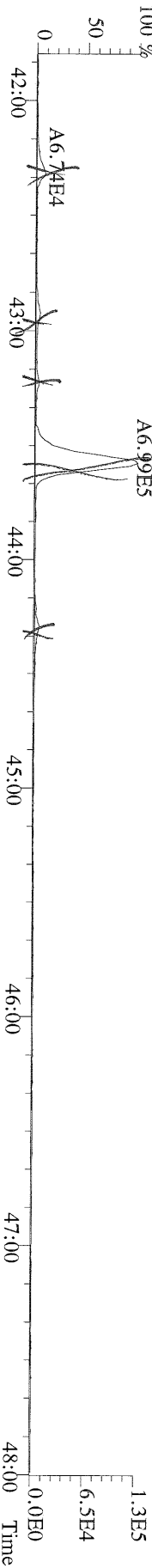
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
417.8253 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



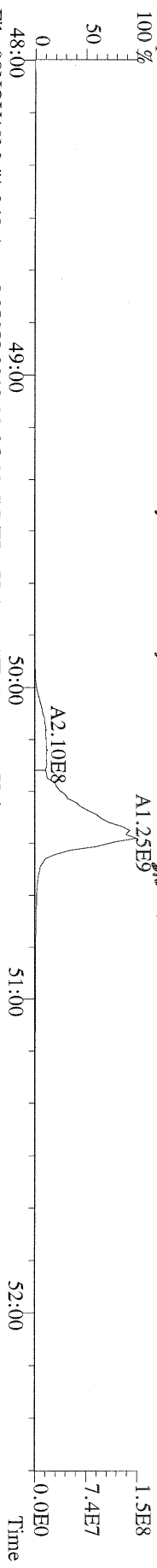
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
419.8220 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



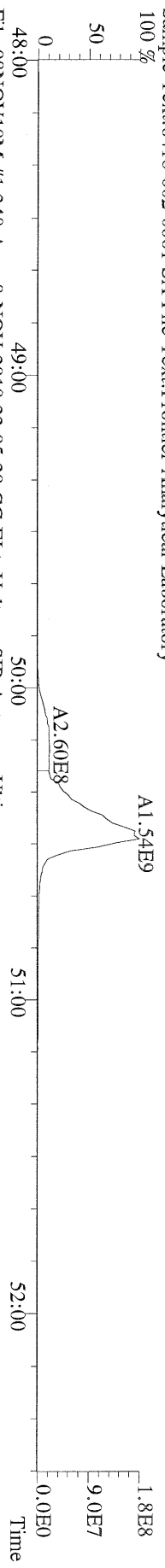
File:08NOV10M #1-541 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Utima
479.7165 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



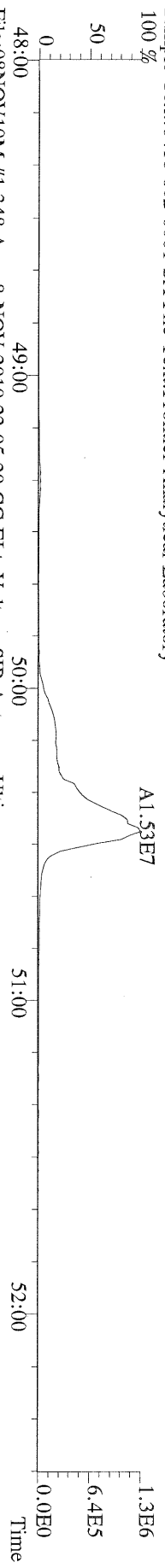
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



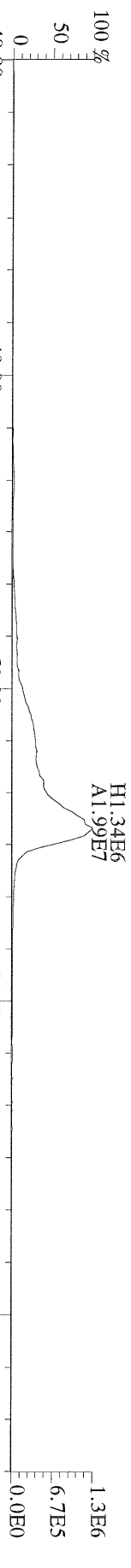
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



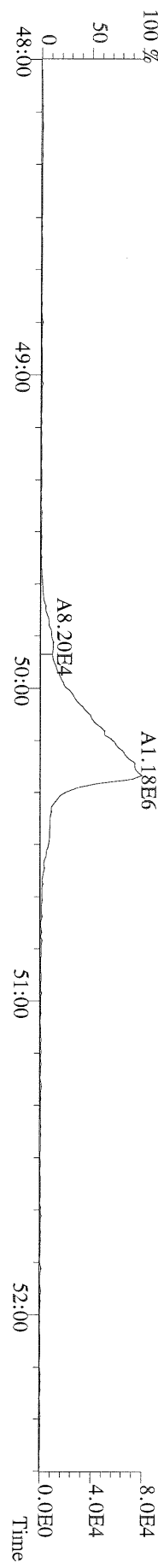
File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 22:05:20 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6418-002-0001-SA Filename: 08NOV10M Sam:9 Acquired: 8-NOV-10 20:14:38 ICal: PCDDFAL3-8-23-10
 Client ID: PSB11-11-13-073010 1:100 ConCal: ST110810M1 EndCal: ST110810M2
 Results: 6418 GC Column: db5 Amount: 5.050 NATO 1989 Tox: 1820 WHO 1998 Tox: 1000 WHO 2005 Tox: 1180

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	-	-	*	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	2.76e+07	1.08 y	44:10	1.45	73700		2.50	-	-	*	
OCDD	1.96e+08	0.90 y	49:42	1.43	812000		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	9.23e+06	1.11 y	42:15	1.39	17400		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	-	-	*	
OCDF	2.68e+07	0.78 y	50:05	0.79	101000		2.50	-	-	*	
13C-2,3,7,8-TCDD	*	* n	NotFnd	1.02	*					*	
13C-1,2,3,7,8-PeCDD	*	* n	NotFnd	0.84	*					*	
13C-1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.07	*					*	
13C-1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.01	*					*	
13C-1,2,3,4,6,7,8-HpCDD	1.02e+05	0.94 y	44:08	0.86	371					93.7	
13C-OCDD	1.33e+05	0.95 y	49:42	0.55	757					95.5	
13C-2,3,7,8-TCDF	*	* n	NotFnd	0.99	*					*	
13C-1,2,3,7,8-PeCDF	*	* n	NotFnd	0.84	*					*	
13C-2,3,4,7,8-PeCDF	*	* n	NotFnd	0.81	*					*	
13C-1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.85	*					*	
13C-1,2,3,6,7,8-HxCDF	*	* n	NotFnd	2.54	*					*	
13C-2,3,4,6,7,8-HxCDF	*	* n	NotFnd	2.01	*					*	
13C-1,2,3,7,8,9-HxCDF	*	* n	NotFnd	2.03	*					*	
13C-1,2,3,4,6,7,8-HpCDF	1.51e+05	0.47 y	42:13	1.11	422					107	
13C-1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	0.80	*					*	
13C-OCDF	2.68e+05	1.01 y	50:04	1.08	769					97.1	
37Cl-2,3,7,8-TCDD	4.32e+04		27:23	0.69	*					*	
13C-1,2,3,4-TCDD	*	* n	NotFnd	-	*						
13C-1,2,3,4-TCDF	*	* n	NotFnd	-	*						
13C-1,2,3,7,8,9-HxCDD	1.28e+05	1.31 y	39:10	-	0.0916						
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	-	-	*	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	-	-	*	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	-	-	*	0
Total Hepta-Dioxins	5.77e+07		42:46	1.45	154000		2.50	-	-	*	2
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	-	-	*	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	PeCDF 0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	0.00 0
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	-	-	*	0
Total Hepta-Furans	3.41e+07		42:15	1.38	70800		2.50	-	-	*	2

Analyst: [Signature]

Date: 11/9/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 13

File: 08NOV10M

S: 9 I: 1 F: 4

Acquired: 8-NOV-10 20:14:38

Total Concentration: 154000

Unnamed Concentration: 80157.962

RT	mL Resp	m2 Resp	RA	Resp	Concentration	Name
42:46	1.55e+07	1.45e+07	1.07 y	3.01e+07	80200	
44:10	1.43e+07	1.33e+07	1.08 y	2.76e+07	73700	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 13

File: 08NOV10M

S: 9 I: 1 F: 4

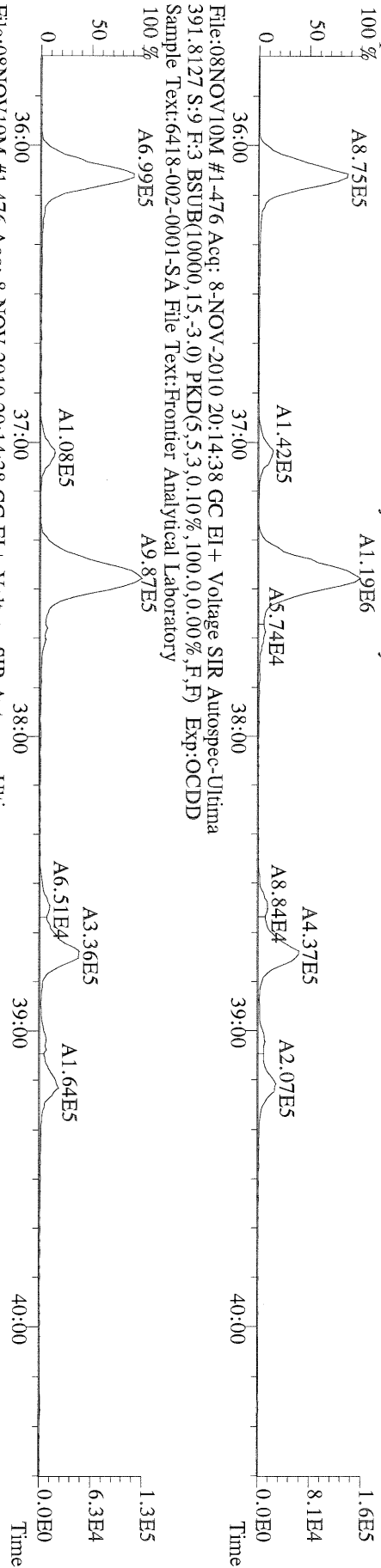
Acquired: 8-NOV-10 20:14:38

Total Concentration: 70800

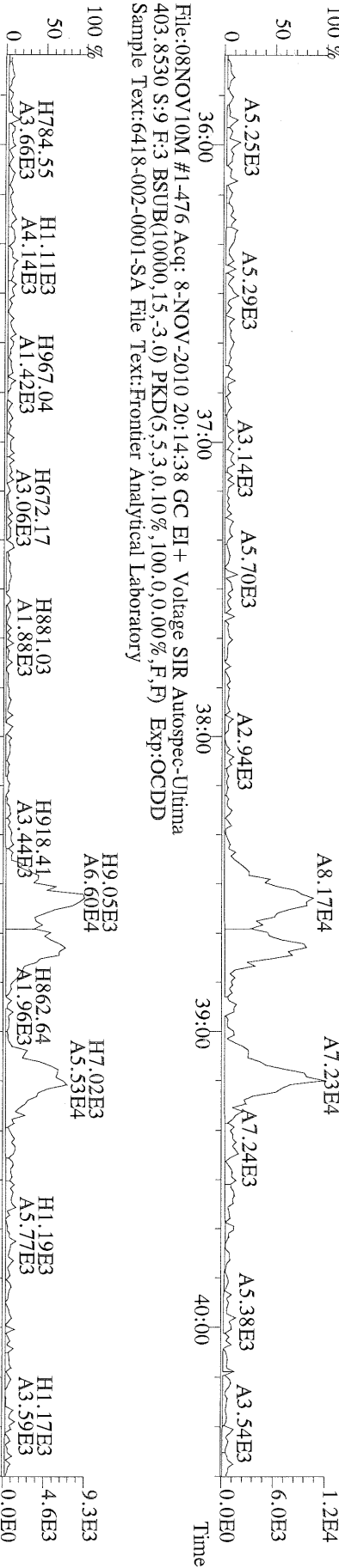
Unnamed Concentration: 53383.355

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:15	4.85e+06	4.38e+06	1.11 y	9.23e+06	17400	1,2,3,4,6,7,8-HpCDF
43:04	1.30e+07	1.18e+07	1.10 y	2.48e+07	53400	

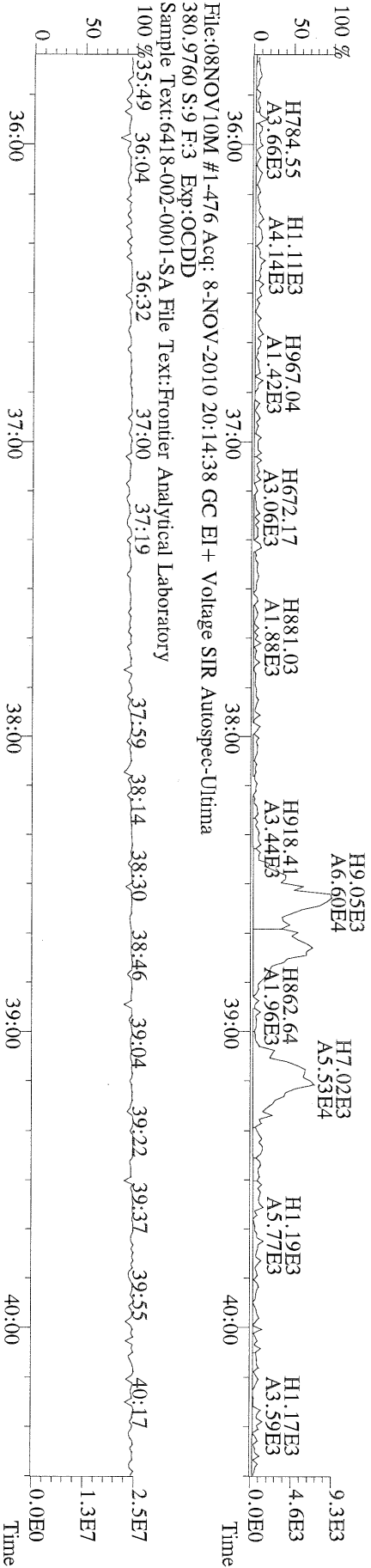
File:08NOV10M #1-476 Acq: 8-NOV-2010 20:14:38 GC EI + Voltage SIR Autospec-Ultima
389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
100 %



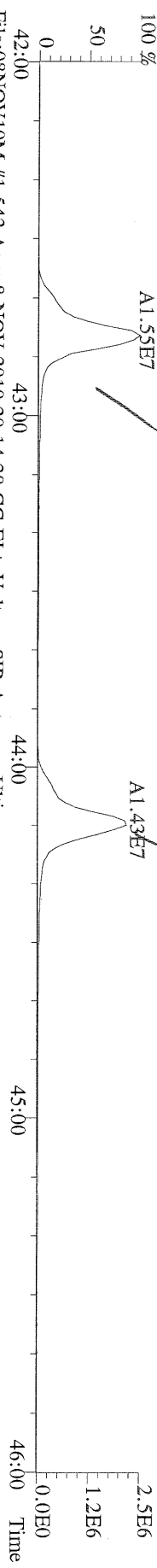
File:08NOV10M #1-476 Acq: 8-NOV-2010 20:14:38 GC EI + Voltage SIR Autospec-Ultima
401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
100 %



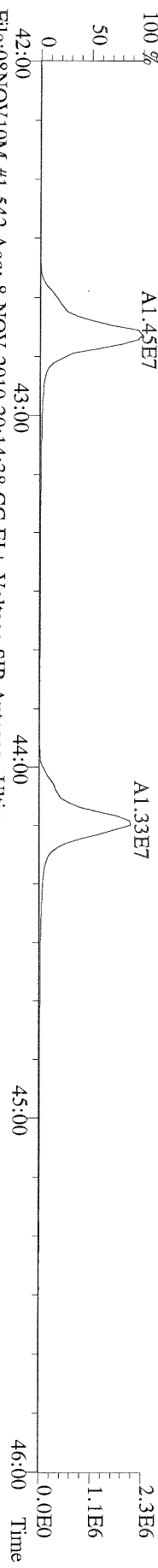
File:08NOV10M #1-476 Acq: 8-NOV-2010 20:14:38 GC EI + Voltage SIR Autospec-Ultima
403.8530 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
100 %



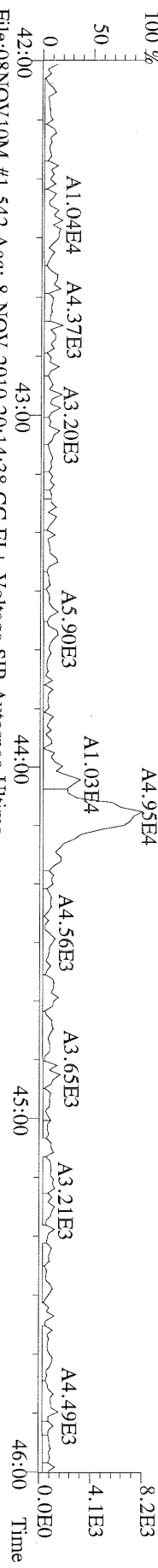
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 423.7767 S.:9 F.:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



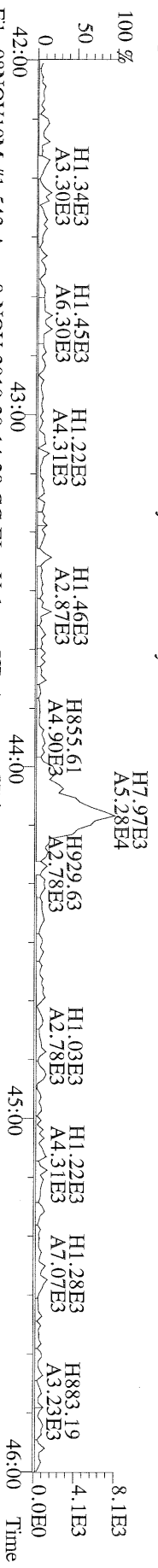
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 425.7737 S.:9 F.:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



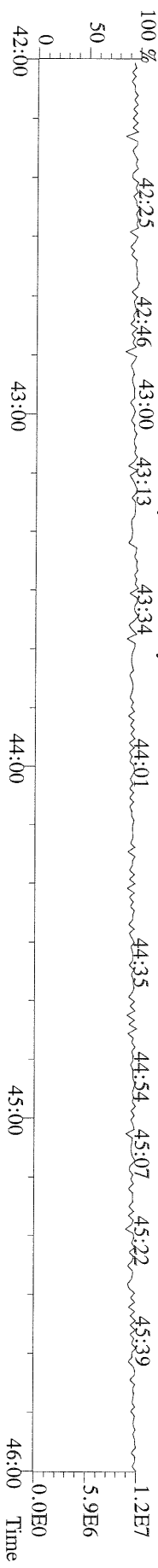
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 435.8169 S.:9 F.:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



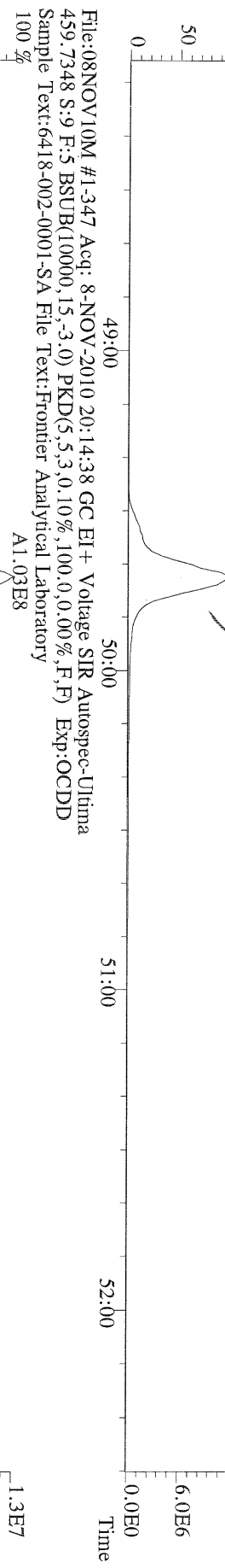
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 437.8140 S.:9 F.:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



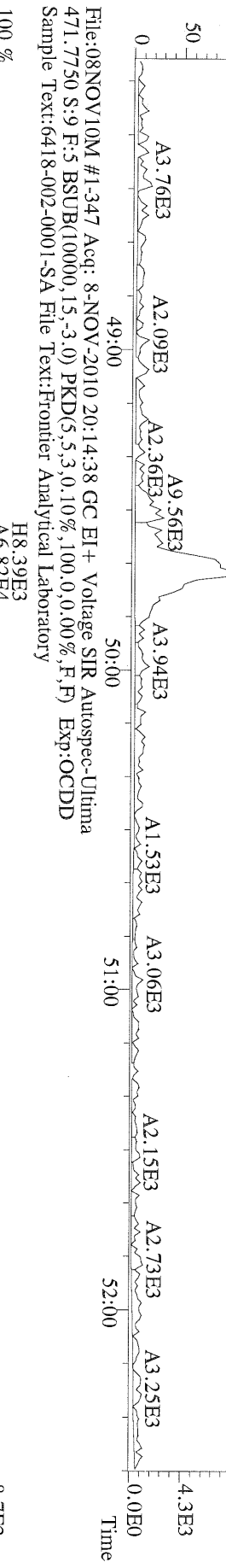
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 430.9728 S.:9 F.:4 Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



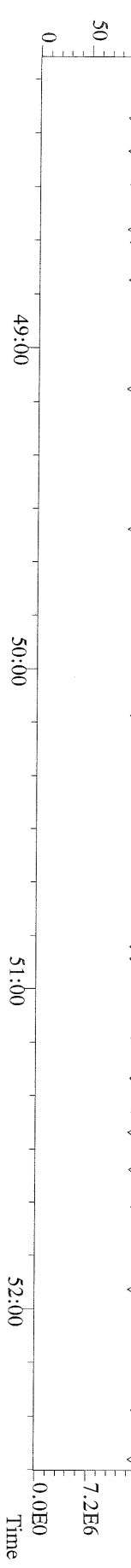
File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



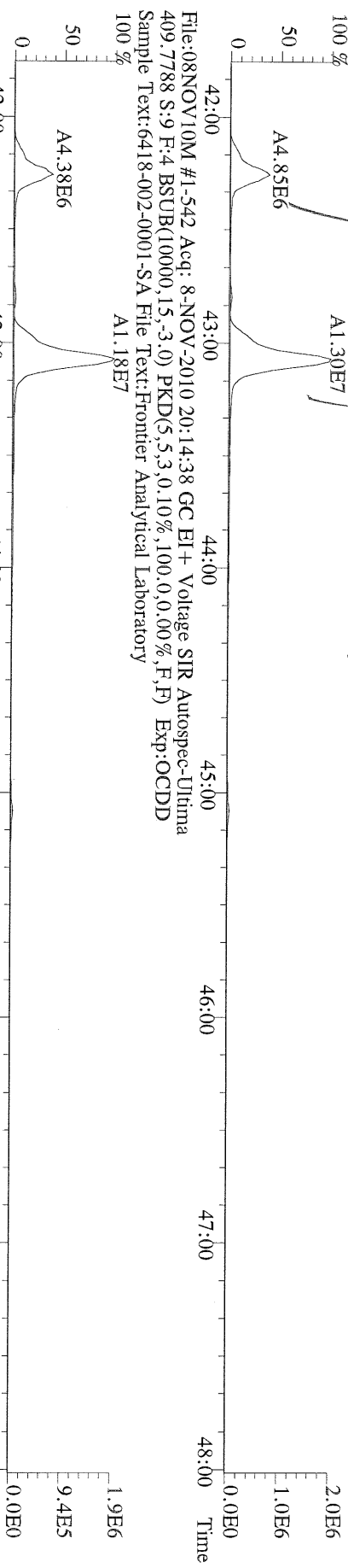
File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 469.7780 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



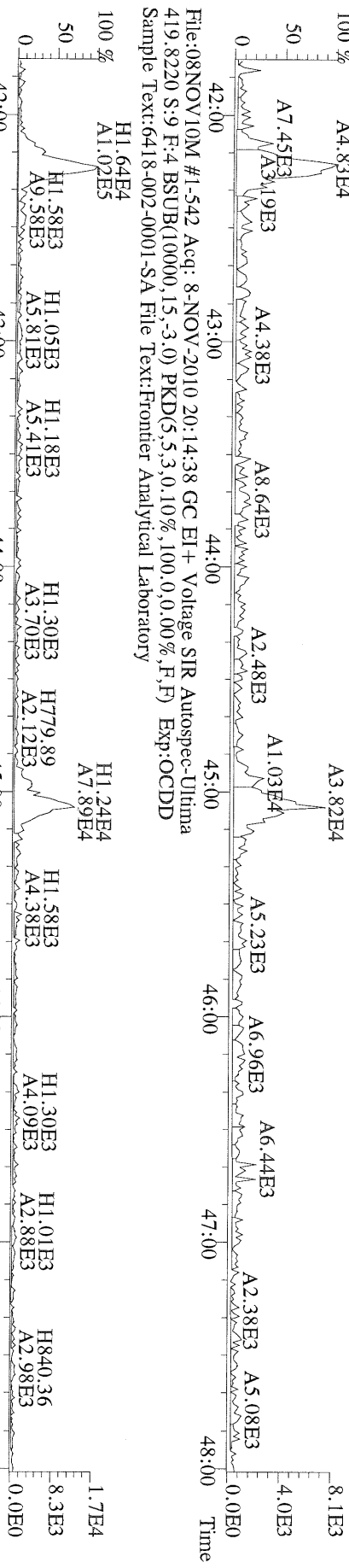
File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
 454.9728 S:9 F:5 Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



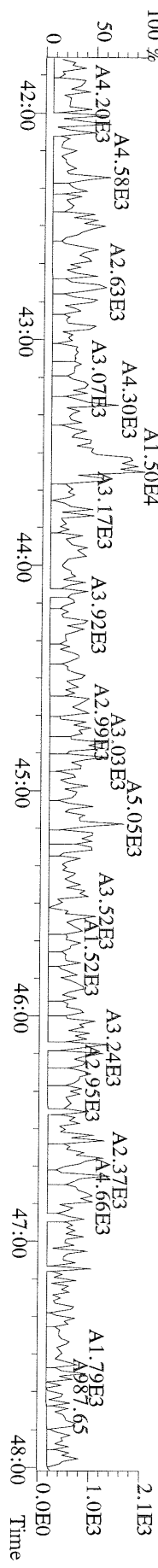
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



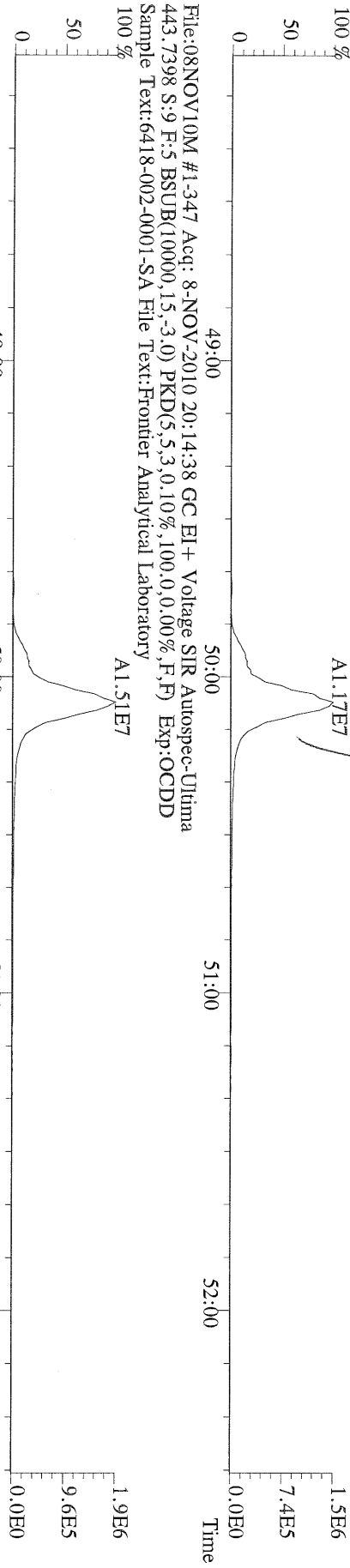
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Ultima
 417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



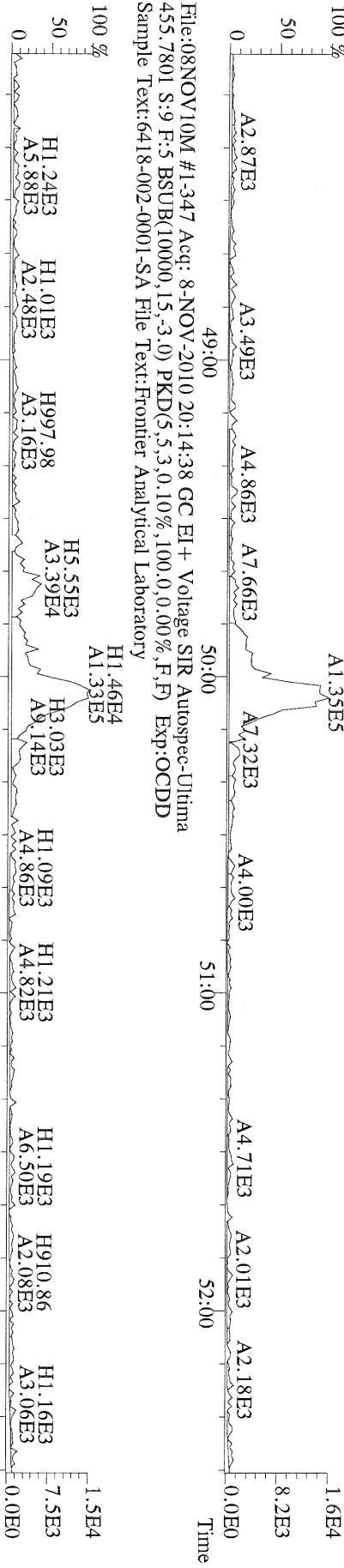
File:08NOV10M #1-542 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Ultima
 479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



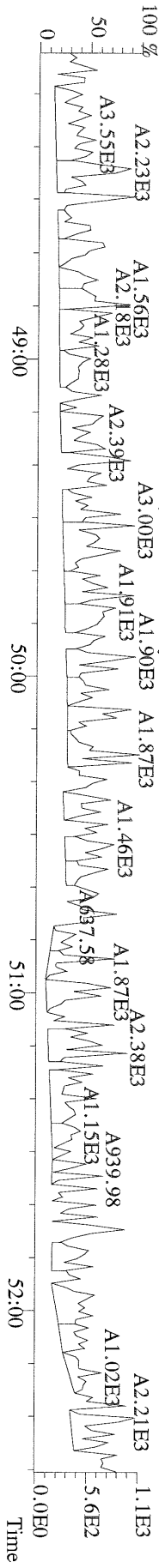
File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-002-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
453.7831 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:6418-002-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 20:14:38 GC EI+ Voltage SIR Autospec-Utima
513.6775 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:6418-002-0001-SA File Text:Frontier Analytical Laboratory



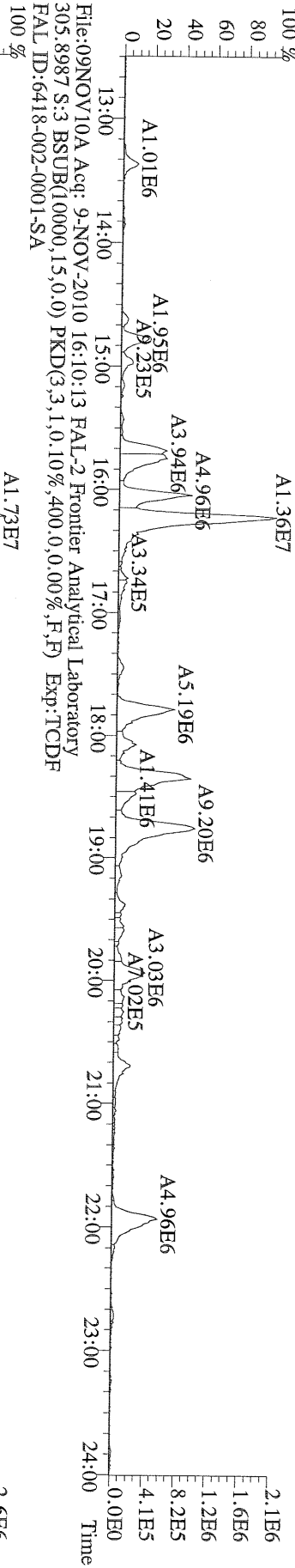
FAL ID: 6418-002-0001-SA Filename: 09NOV10A Sam:3 Acquired: 9-NOV-10 16:10:13 ICal: tcdfal1-9-3-10
Client ID: PSB11-11-13-073010 ConCal: ST110910A1 EndCal: ST110910A2
Results: 6418TCDF GC Column: DB225 Amount: 5.050

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom	Rec
2,3,7,8-TCDF	2.60e+06	0.69 y	19:23	1.10	5.68		2.50	-	-	1	
13C-2,3,7,8-TCDF	1.66e+08	0.78 y	19:22	1.06	346						87.4
13C-1,2,3,4-TCDF	1.79e+08	0.78 y	16:43	-	24.8						

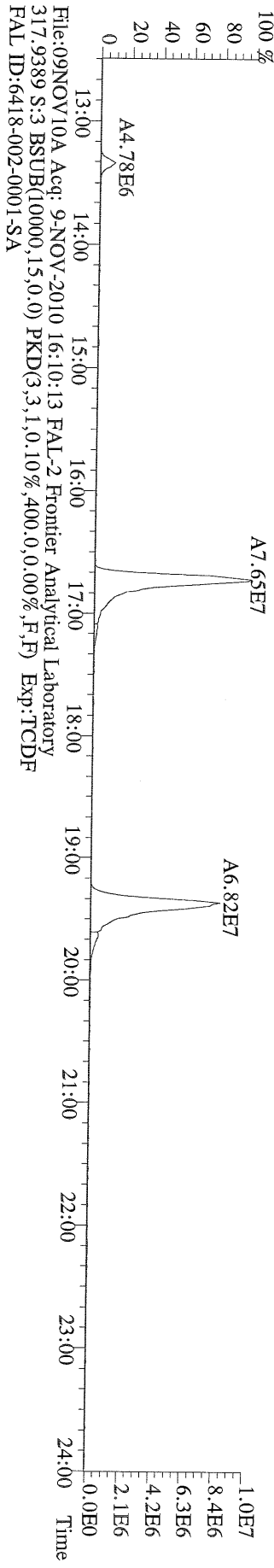
Analyst: 

Date: 11/10/10

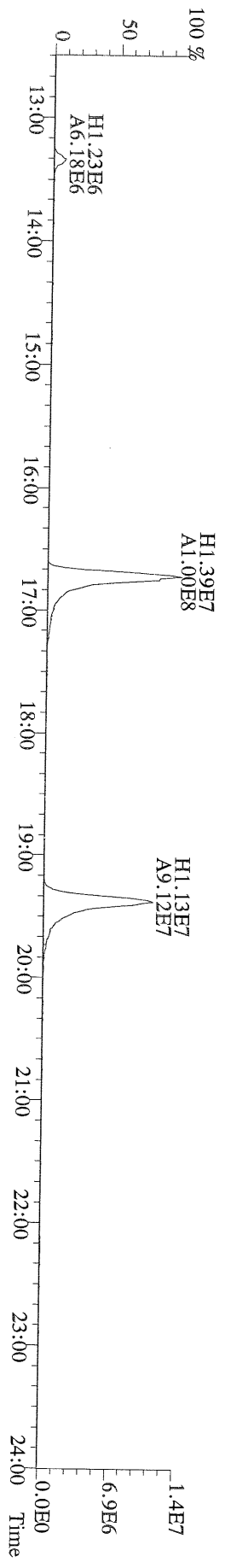
File:09NOV10A Acq: 9-NOV-2010 16:10:13 FAL-2 Frontier Analytical Laboratory
303.9016 S:3 BSUB(10000,15,0.0) PKD(3,1,0.10%,400.0,0.00%,F,F) Exp:TCDF
FAL ID:6418-002-0001-SA



File:09NOV10A Acq: 9-NOV-2010 16:10:13 FAL-2 Frontier Analytical Laboratory
315.9419 S:3 BSUB(10000,15,0.0) PKD(3,1,0.10%,400.0,0.00%,F,F) Exp:TCDF
FAL ID:6418-002-0001-SA



File:09NOV10A Acq: 9-NOV-2010 16:10:13 FAL-2 Frontier Analytical Laboratory
317.9389 S:3 BSUB(10000,15,0.0) PKD(3,1,0.10%,400.0,0.00%,F,F) Exp:TCDF
FAL ID:6418-002-0001-SA



FAL ID: 6418-003-0001-SA Filename: 08NOV10M Sam:12 Acquired: 8-NOV-10 23:00:39 ICal: PCDDFAL3-8-23-10

Client ID: PSB11-14-16-073010

ConCal: ST110810M1 EndCal: ST110810M2

Results: 6418

GC Column: db5

Amount: 5.110

NATO 1989 Tox: 602

WHO 1998 Tox: 689

WHO 2005 Tox:

675 2050
DL 11/14/10

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom
2,3,7,8-TCDD	1.76e+06	0.75 y	27:26	1.11	41.7		2.50	-	-	*
1,2,3,7,8-PeCDD	6.69e+06	1.72 y	33:16	1.10	173		2.50	-	-	*
1,2,3,4,7,8-HxCDD	1.21e+07	1.30 y	38:38	1.37	237		2.50	-	-	*
1,2,3,6,7,8-HxCDD	9.99e+07	1.29 y	38:48	1.37	2400		2.50	-	-	*
1,2,3,7,8,9-HxCDD	3.58e+07	1.24 y	39:14	1.36	780		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*	*	2.50	-	-	* <i>93,100</i>
OCDD	*	* n	NotFnd	1.43	*	*	2.50	-	-	* <i>760,1000</i>
2,3,7,8-TCDF	4.90e+05	0.83 y	26:42	1.50	4.50	<i>OK (DB22) - 11/9/10</i>	2.50	-	-	*
1,2,3,7,8-PeCDF	1.17e+06	1.43 y	31:32	0.94	18.4		2.50	-	-	*
2,3,4,7,8-PeCDF	3.99e+06	1.46 y	32:51	0.94	64.0		2.50	-	-	*
1,2,3,4,7,8-HxCDF	2.03e+07	1.17 y	37:15	0.93	377		2.50	-	-	*
1,2,3,6,7,8-HxCDF	1.31e+07	1.16 y	37:27	0.82	225	D,M	2.50	-	-	*
2,3,4,6,7,8-HxCDF	1.64e+07	1.15 y	38:23	0.92	292		2.50	-	-	*
1,2,3,7,8,9-HxCDF	1.31e+06	1.24 y	39:52	1.00	19.8		2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*	*	2.50	-	-	* <i>18,100</i>
1,2,3,4,7,8,9-HpCDF	3.49e+07	1.13 y	45:10	1.36	705		2.50	-	-	*
OCDF	*	* n	NotFnd	0.79	*	*	2.50	-	-	* <i>102,1000</i>
13C-2,3,7,8-TCDD	1.49e+07	0.76 y	27:25	1.02	355				Rec	90.8
13C-1,2,3,7,8-PeCDD	1.37e+07	1.67 y	33:15	0.84	399					102
13C-1,2,3,4,7,8-HxCDD	1.45e+07	1.27 y	38:36	1.07	377					96.4
13C-1,2,3,6,7,8-HxCDD	1.19e+07	1.26 y	38:47	1.01	327					83.4
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.86	*	*				* <i>95.9%</i>
13C-OCDD	*	* n	NotFnd	0.55	*	*				* <i>104%</i>
13C-2,3,7,8-TCDF	2.83e+07	0.88 y	26:41	0.99	386					98.7
13C-1,2,3,7,8-PeCDF	2.65e+07	1.77 y	31:30	0.84	429					110
13C-2,3,4,7,8-PeCDF	2.61e+07	1.72 y	32:50	0.81	435					111
13C-1,2,3,4,7,8-HxCDF	2.27e+07	0.54 y	37:13	1.85	341					87.1
13C-1,2,3,6,7,8-HxCDF	2.77e+07	0.54 y	37:25	2.54	305					77.9
13C-2,3,4,6,7,8-HxCDF	2.39e+07	0.54 y	38:22	2.01	331					84.6
13C-1,2,3,7,8,9-HxCDF	2.60e+07	0.55 y	39:48	2.03	356					91.0
13C-1,2,3,4,6,7,8-HpCDF	1.69e+07	0.48 y	42:21	1.11	426	*				<i>109 107%</i>
13C-1,2,3,4,7,8,9-HpCDF	1.43e+07	0.48 y	45:09	0.80	495	*				127
13C-OCDF	*	* n	NotFnd	1.08	*	*				* <i>104%</i>
37Cl-2,3,7,8-TCDD	4.34e+06		27:27	0.69	155					98.9
13C-1,2,3,4-TCDD	1.60e+07	0.77 y	26:51	-	6.97					
13C-1,2,3,4-TCDF	2.89e+07	0.88 y	25:37	-	7.82					
13C-1,2,3,7,8,9-HxCDD	1.40e+07	1.27 y	39:13	-	9.97					
Total Tetra-Dioxins	1.12e+07		24:32	1.11	266		2.50	-	-	*
Total Penta-Dioxins	4.29e+07		30:15	1.10	1110		2.50	-	-	*
Total Hexa-Dioxins	5.93e+08		36:11	1.37	13100		2.50	-	-	*
Total Hepta-Dioxins	*		NotFnd	1.45	*	*	2.50	-	-	*
Total Tetra-Furans	4.41e+07		23:59	1.50	405	D,M	2.50	-	-	*
1st Fn. Tot Penta-Furans	4.17e+07		28:29	0.94	661	D,M	2.50	-	-	* PeCDF 1
Total Penta-Furans	6.19e+07		30:07	0.94	982	D,M	2.50	-	-	* 1640 16
Total Hexa-Furans	1.05e+09		35:17	0.91	18100	D,M	2.50	-	-	* 11
Total Hepta-Furans	3.99e+07		42:54	1.38	796	*	2.50	-	-	* 2 <i>67,800</i>

Analyst:

Date: 11/9/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 16

File: 08NOV10M

S: 12 I: 1 F: 1

Acquired: 8-NOV-10 23:00:39

Total Concentration: 266

Unnamed Concentration: 224.754

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:32	5.75e+05	7.41e+05	0.78 y	1.32e+06	31.2	
24:46	5.95e+05	7.70e+05	0.77 y	1.37e+06	32.3	
25:04	1.56e+05	1.99e+05	0.79 y	3.55e+05	8.40	
25:41	6.46e+04	8.28e+04	0.78 y	1.47e+05	3.49	
25:50	1.72e+05	2.23e+05	0.77 y	3.95e+05	9.35	
26:00	1.01e+06	1.31e+06	0.77 y	2.33e+06	55.1	
26:10	8.58e+04	1.07e+05	0.80 y	1.93e+05	4.57	
26:22	9.83e+04	1.26e+05	0.78 y	2.25e+05	5.32	
26:31	1.92e+05	2.39e+05	0.80 y	4.31e+05	10.2	
26:53	9.16e+05	1.16e+06	0.79 y	2.08e+06	49.2	
27:12	5.80e+04	7.75e+04	0.75 y	1.35e+05	3.21	
27:26	7.57e+05	1.00e+06	0.75 y	1.76e+06	41.7	2,3,7,8-TCDD
27:44	1.72e+05	2.38e+05	0.72 y	4.10e+05	9.71	
27:51	2.37e+04	2.86e+04	0.83 y	5.23e+04	1.24	
28:23	2.64e+04	3.12e+04	0.85 y	5.76e+04	1.36	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 16 File: 08NOV10M S: 12 I: 1 F: 2
Acquired: 8-NOV-10 23:00:39

Total Concentration: 1110

Unnamed Concentration: 937.998

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	1.00e+07	5.64e+06	1.78 y	1.57e+07	406	
30:53	8.77e+05	5.08e+05	1.73 y	1.38e+06	35.9	
31:30	1.74e+06	9.82e+05	1.77 y	2.72e+06	70.5	
31:44	5.84e+06	3.30e+06	1.77 y	9.13e+06	236	
31:52	1.80e+06	1.02e+06	1.76 y	2.83e+06	73.3	
32:10	1.46e+06	8.20e+05	1.77 y	2.28e+06	58.9	
32:38	6.13e+05	3.73e+05	1.64 y	9.87e+05	25.6	
33:16	4.23e+06	2.46e+06	1.72 y	6.69e+06	173	1,2,3,7,8-PeCDD
33:22	3.45e+05	2.11e+05	1.63 y	5.56e+05	14.4	
33:50	4.22e+05	2.47e+05	1.71 y	6.69e+05	17.3	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 16

File: 08NOV10M

S: 12 I: 1 F: 3

Acquired: 8-NOV-10 23:00:39

Total Concentration: 13100

Unnamed Concentration: 9650.126

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
36:11	9.60e+07	7.57e+07 1.27 y	1.72e+08	3720	
37:06	8.27e+06	6.46e+06 1.28 y	1.47e+07	319	
37:32	1.44e+08	1.12e+08 1.28 y	2.56e+08	5540	
38:38	6.83e+06	5.27e+06 1.30 y	1.21e+07	237	1,2,3,4,7,8-HxCDD
38:48	5.63e+07	4.36e+07 1.29 y	9.99e+07	2400	1,2,3,6,7,8-HxCDD
39:06	1.75e+06	1.61e+06 1.09 y	3.35e+06	72.7	
39:14	1.98e+07	1.60e+07 1.24 y	3.58e+07	780	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 16

File: 08NOV10M

S: 12 I: 1 F: 1

Acquired: 8-NOV-10 23:00:39

Total Concentration: 405

Unnamed Concentration: 400.520

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:59	2.22e+05	2.77e+05	0.80 y	4.99e+05	4.59	
24:04	3.03e+06	3.65e+06	0.83 y	6.68e+06	61.4	
24:20	6.40e+05	7.34e+05	0.87 y	1.37e+06	12.6	
24:34	9.30e+05	1.11e+06	0.83 y	2.05e+06	18.8	
24:42	8.87e+04	1.02e+05	0.87 y	1.90e+05	1.75	
24:49	1.33e+06	1.58e+06	0.84 y	2.91e+06	26.7	
25:03	9.70e+04	1.13e+05	0.86 y	2.10e+05	1.93	
25:24	1.76e+05	2.57e+05	0.69 y	4.34e+05	3.99	
25:31	1.54e+06	1.82e+06	0.84 y	3.36e+06	30.8	
25:38	5.51e+05	6.60e+05	0.83 y	1.21e+06	11.1	
25:52	2.04e+06	2.47e+06	0.83 y	4.51e+06	41.5	
25:59	3.06e+05	3.55e+05	0.86 y	6.61e+05	6.07	
26:11	6.09e+04	7.47e+04	0.82 y	1.36e+05	1.25	
26:24	1.97e+05	2.35e+05	0.84 y	4.32e+05	3.98	
26:36	3.74e+05	4.44e+05	0.84 y	8.18e+05	7.52	
26:42	2.22e+05	2.68e+05	0.83 y	4.90e+05	4.50	2,3,7,8-TCDF
26:48	7.28e+04	8.78e+04	0.83 y	1.61e+05	1.48	
27:01	9.34e+04	1.08e+05	0.87 y	2.01e+05	1.85	
27:25	4.47e+05	5.27e+05	0.85 y	9.74e+05	8.95	
27:37	2.55e+04	3.27e+04	0.78 y	5.83e+04	0.536	
27:44	2.57e+04	2.93e+04	0.88 y	5.50e+04	0.506	
27:55	3.25e+06	3.91e+06	0.83 y	7.16e+06	65.9	
28:07	3.35e+06	4.04e+06	0.83 y	7.39e+06	68.0	
28:29	9.58e+05	1.14e+06	0.84 y	2.10e+06	19.3	

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

Run: 16 File: 08NOV10M S: 12 I: 1 F: 1
Acquired: 8-NOV-10 23:00:39

Total Concentration: 661 Unnamed Concentration: 660.855

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:29	2.52e+07	1.65e+07	1.52 y	4.17e+07	661	

Totals class: Total Penta-Furans

Entry #: 44

Run: 16 File: 08NOV10M S: 12 I: 1 F: 2
Acquired: 8-NOV-10 23:00:39

Total Concentration: 982

Unnamed Concentration: 899.292

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:07	1.09e+06	6.91e+05	1.57 y	1.78e+06	28.2	
30:16	1.34e+07	9.08e+06	1.47 y	2.25e+07	356	
30:36	5.20e+05	3.60e+05	1.45 y	8.80e+05	13.9	
30:46	3.68e+05	2.60e+05	1.41 y	6.29e+05	9.97	
30:58	4.49e+06	3.06e+06	1.46 y	7.55e+06	120	
31:16	3.75e+05	2.60e+05	1.45 y	6.35e+05	10.1	
31:32	6.90e+05	4.84e+05	1.43 y	1.17e+06	18.4	1,2,3,7,8-PeCDF
31:47	8.79e+06	5.86e+06	1.50 y	1.47e+07	232	
32:07	1.97e+06	1.31e+06	1.50 y	3.27e+06	51.9	
32:42	1.38e+05	1.00e+05	1.38 y	2.38e+05	3.78	
32:51	2.37e+06	1.62e+06	1.46 y	3.99e+06	64.0	2,3,4,7,8-PeCDF
32:54	1.03e+06	7.29e+05	1.41 y	1.76e+06	27.9	
33:06	6.85e+04	3.87e+04	1.77 y	1.07e+05	1.70	
33:48	5.48e+04	3.93e+04	1.39 y	9.41e+04	1.49	
33:59	4.22e+05	2.92e+05	1.44 y	7.14e+05	11.3	
34:09	1.13e+06	7.97e+05	1.41 y	1.92e+06	30.5	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 16

File: 08NOV10M

S: 12 I: 1 F: 3

Acquired: 8-NOV-10 23:00:39

Total Concentration: 18100

Unnamed Concentration: 17189.579

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:17	3.10e+07	2.72e+07	1.14 y	5.83e+07	999	
35:33	1.38e+08	1.15e+08	1.20 y	2.52e+08	4330	
36:09	2.79e+06	2.34e+06	1.19 y	5.13e+06	87.9	
36:28	3.60e+08	3.06e+08	1.18 y	6.65e+08	11400	
36:44	1.57e+06	1.53e+06	1.03 n	2.84e+06	48.8	
37:04	5.39e+05	4.65e+05	1.16 y	1.00e+06	17.2	
37:15	1.09e+07	9.32e+06	1.17 y	2.03e+07	377	1,2,3,4,7,8-HxCDF
37:27	7.03e+06	6.07e+06	1.16 y	1.31e+07	225	1,2,3,6,7,8-HxCDF
38:08	9.50e+06	7.86e+06	1.21 y	1.74e+07	298	
38:23	8.79e+06	7.64e+06	1.15 y	1.64e+07	292	2,3,4,6,7,8-HxCDF
39:52	7.27e+05	5.84e+05	1.24 y	1.31e+06	19.8	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 16

File: 08NOV10M

S: 12 I: 1 F: 4

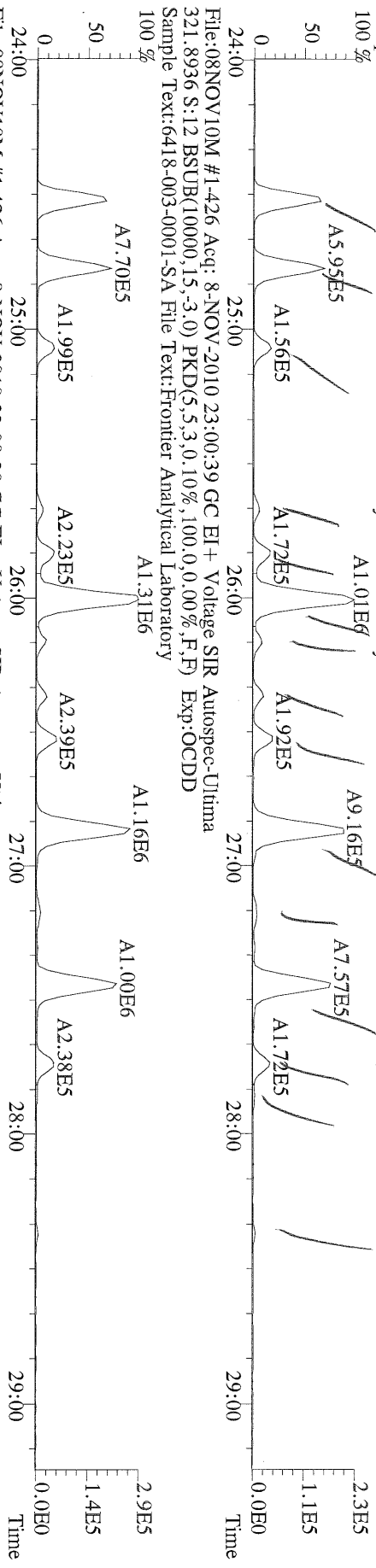
Acquired: 8-NOV-10 23:00:39

Total Concentration: 796

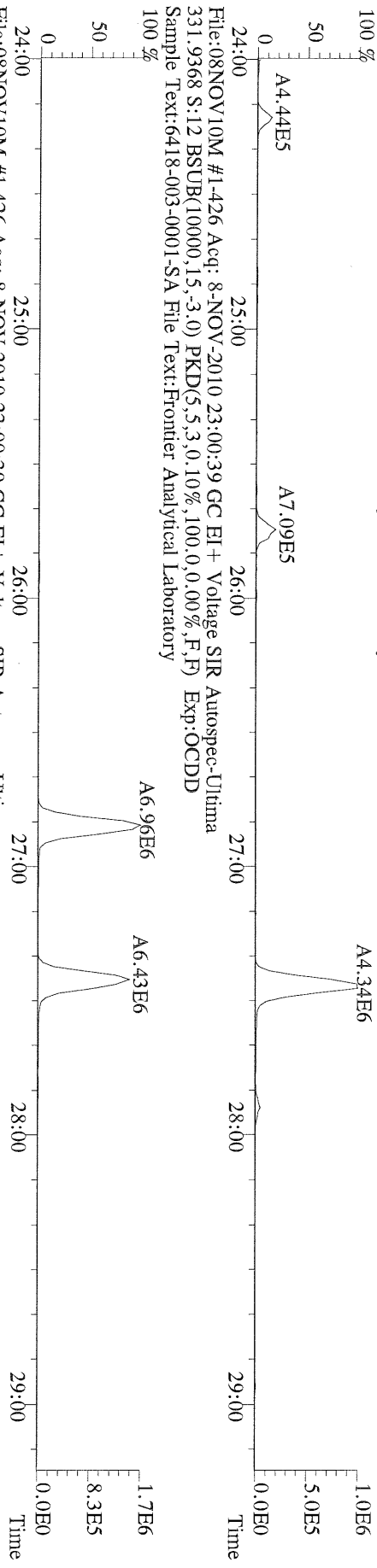
Unnamed Concentration: *

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:54	2.54e+06	2.48e+06	1.02 y	5.02e+06	91.4	
45:10	1.85e+07	1.64e+07	1.13 y	3.49e+07	705	1,2,3,4,7,8,9-HpCDF

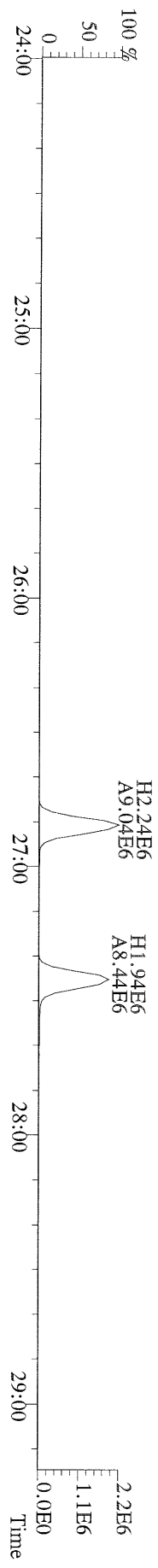
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



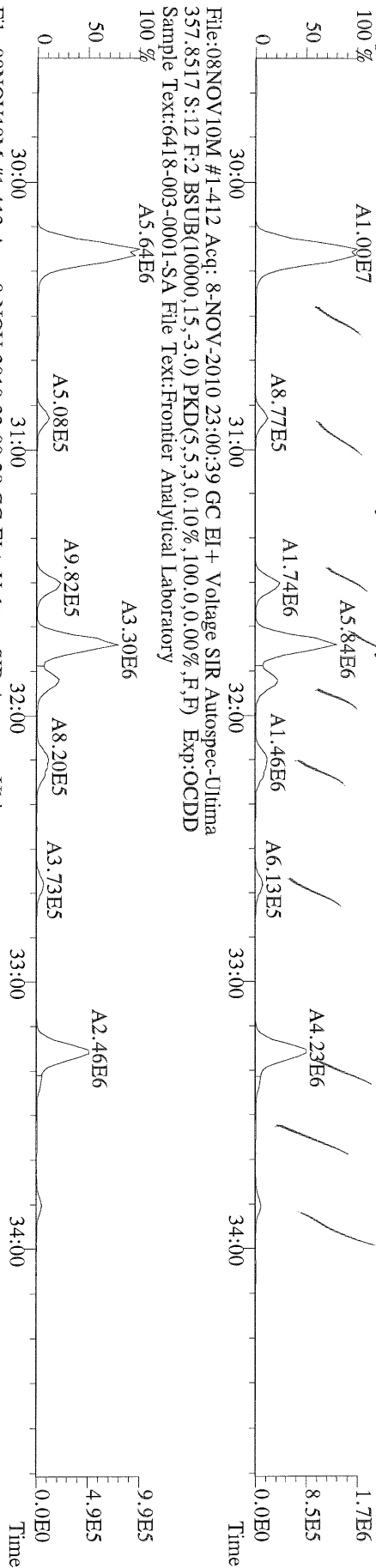
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



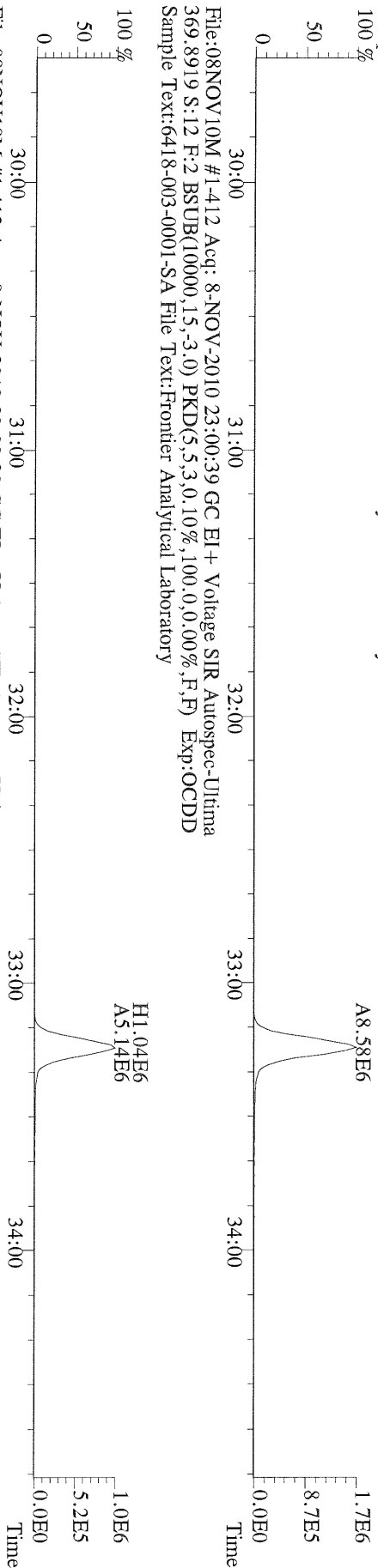
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333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



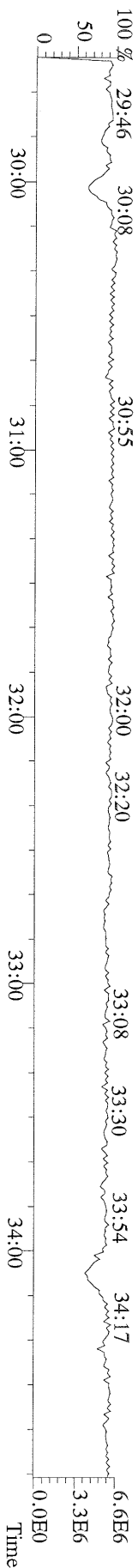
File:08NOV10M #1-412 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



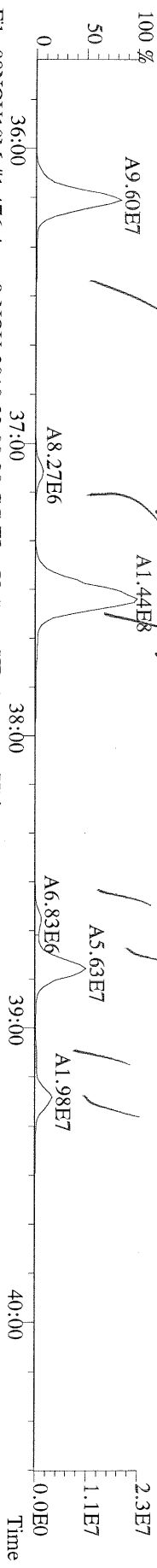
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367.8949 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



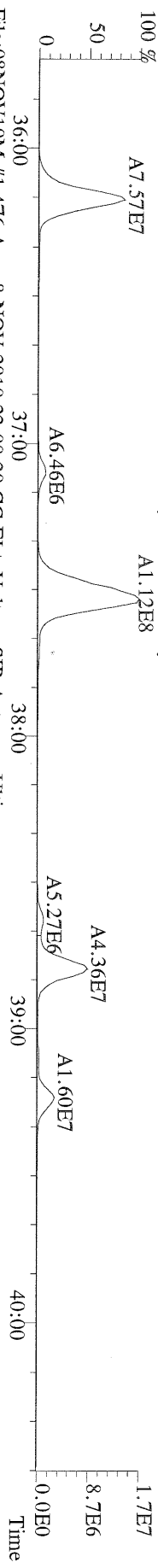
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366.9792 S:12 F:2 Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



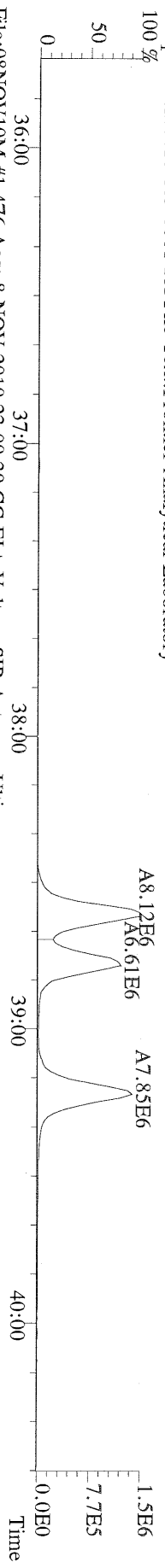
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



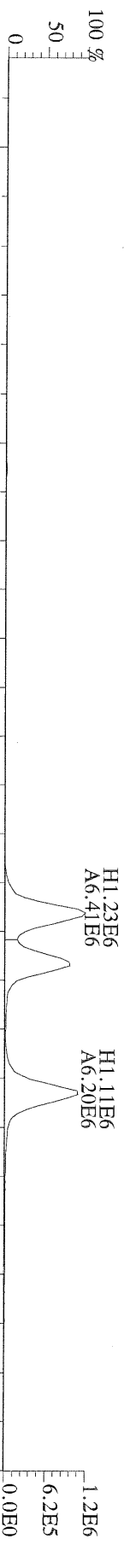
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391.8127 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



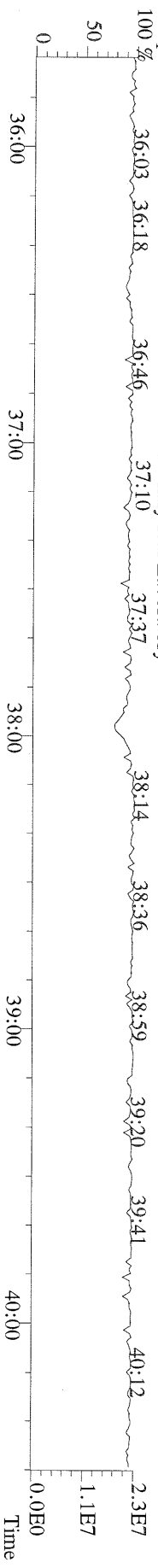
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



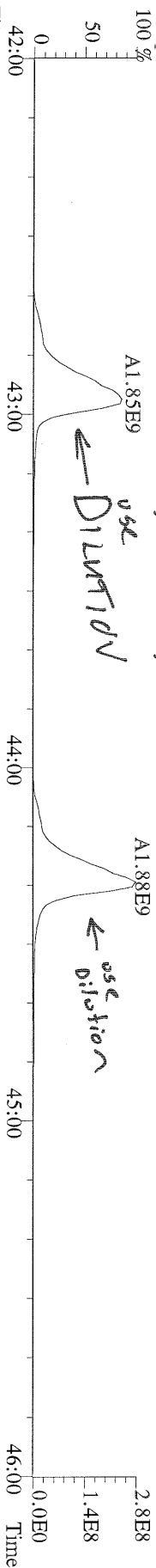
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
403.8530 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



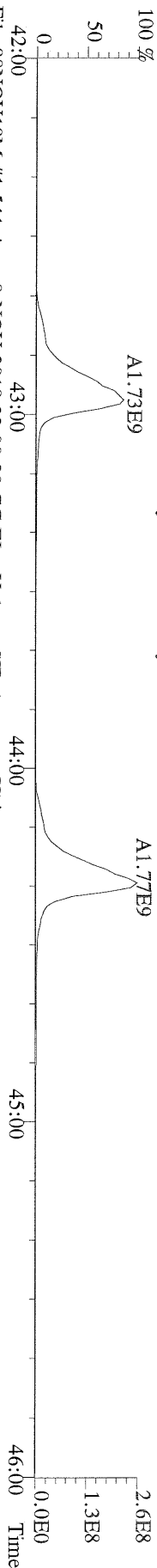
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Utima
380.9760 S:12 F:3 Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



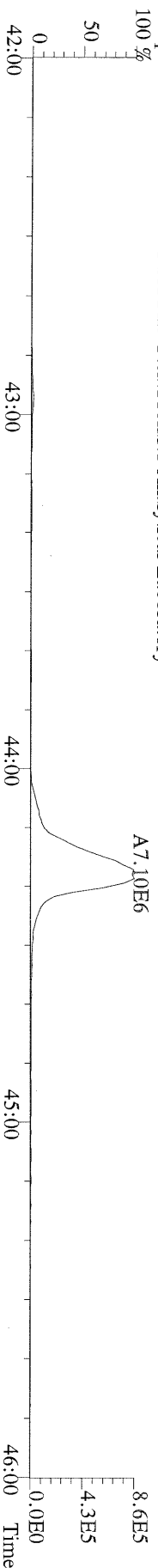
File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



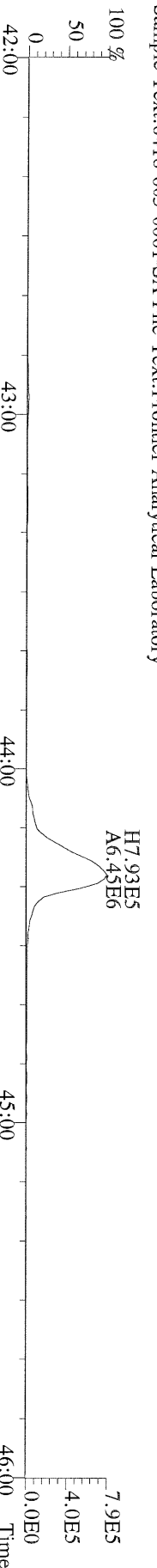
File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
425.7737 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



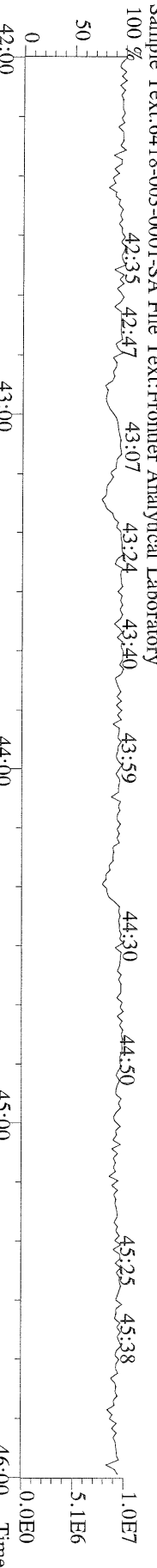
File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
435.8169 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



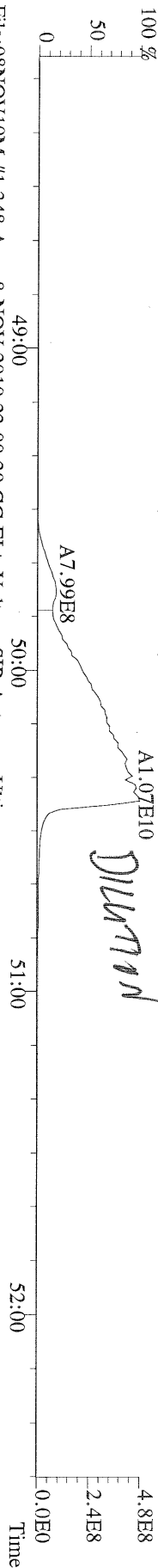
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437.8140 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



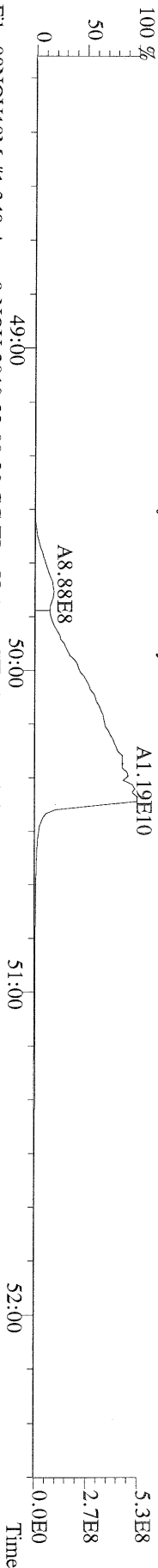
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430.9728 S:12 F:4 Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



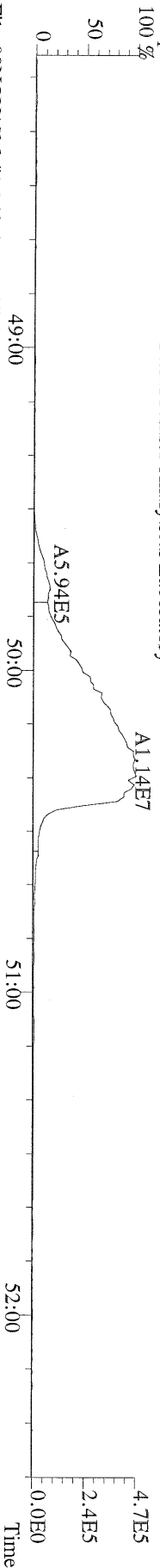
File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



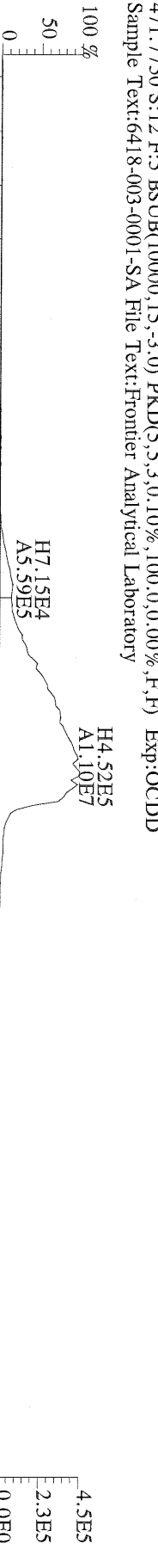
File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



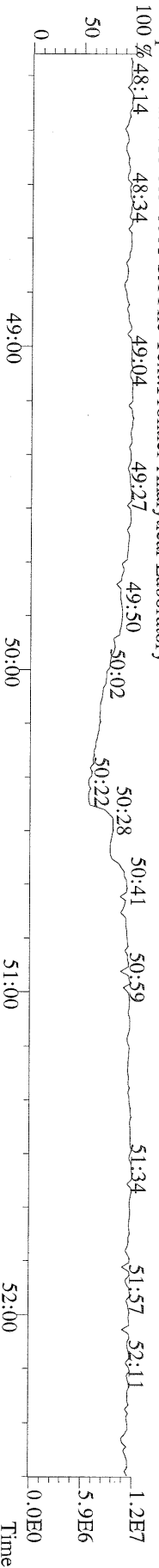
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469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



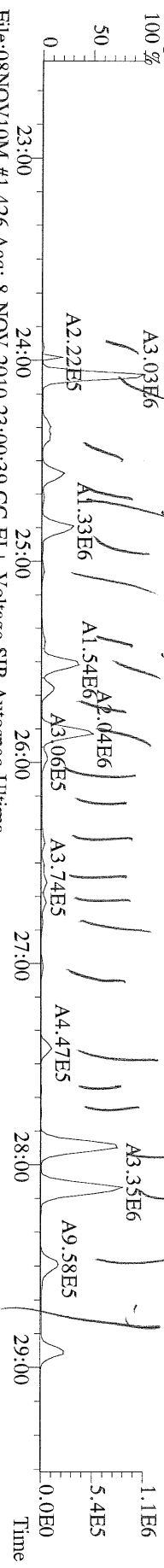
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471.7750 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:12 F:5 Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



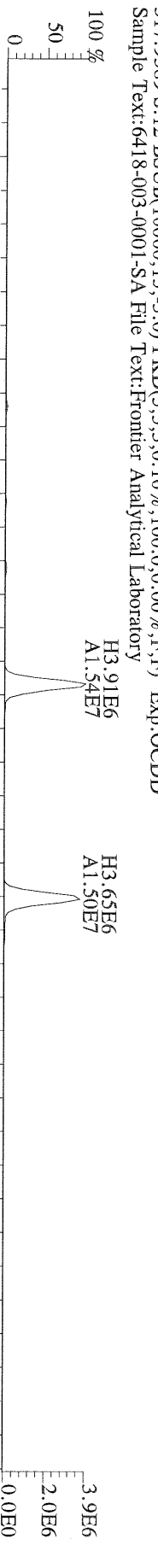
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:12 BSUB(10000,15,-3.0) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



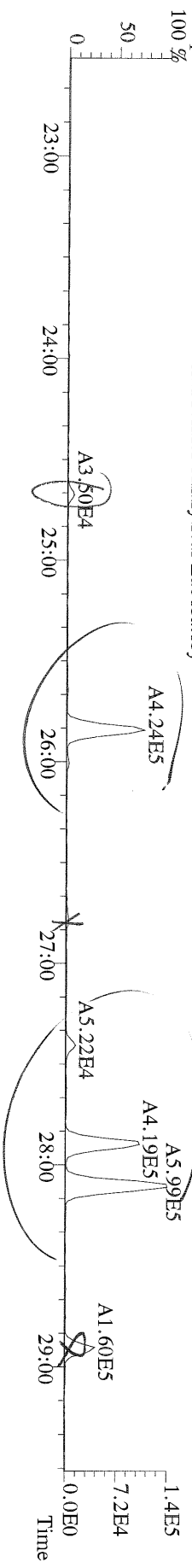
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
 305.8987 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



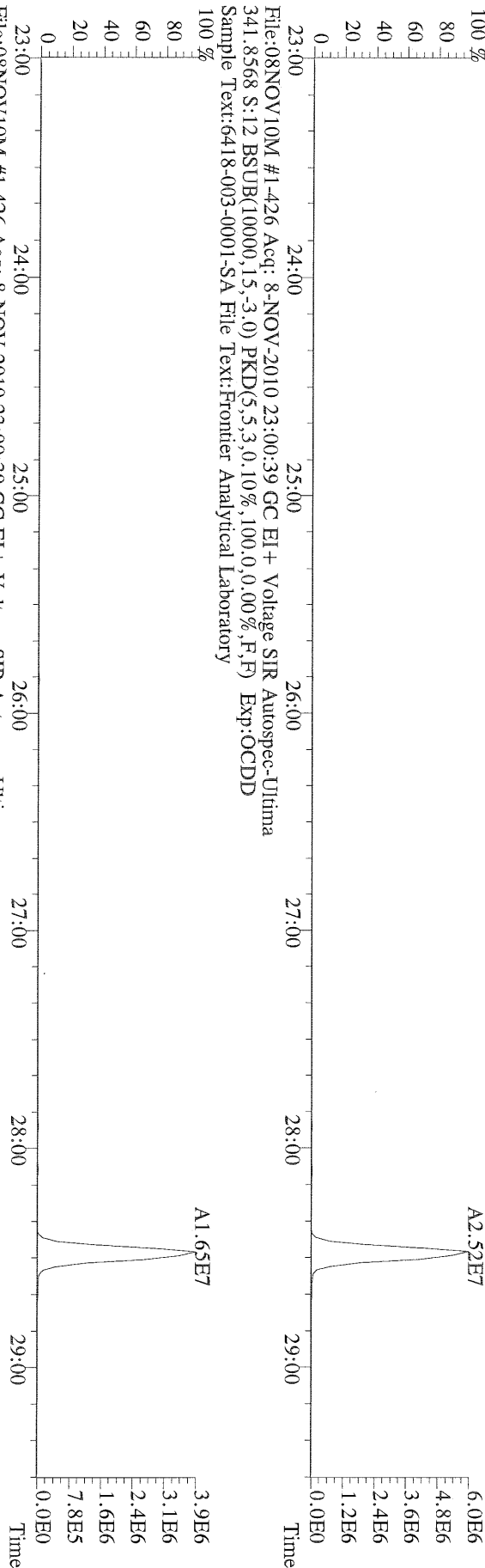
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 317.9389 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



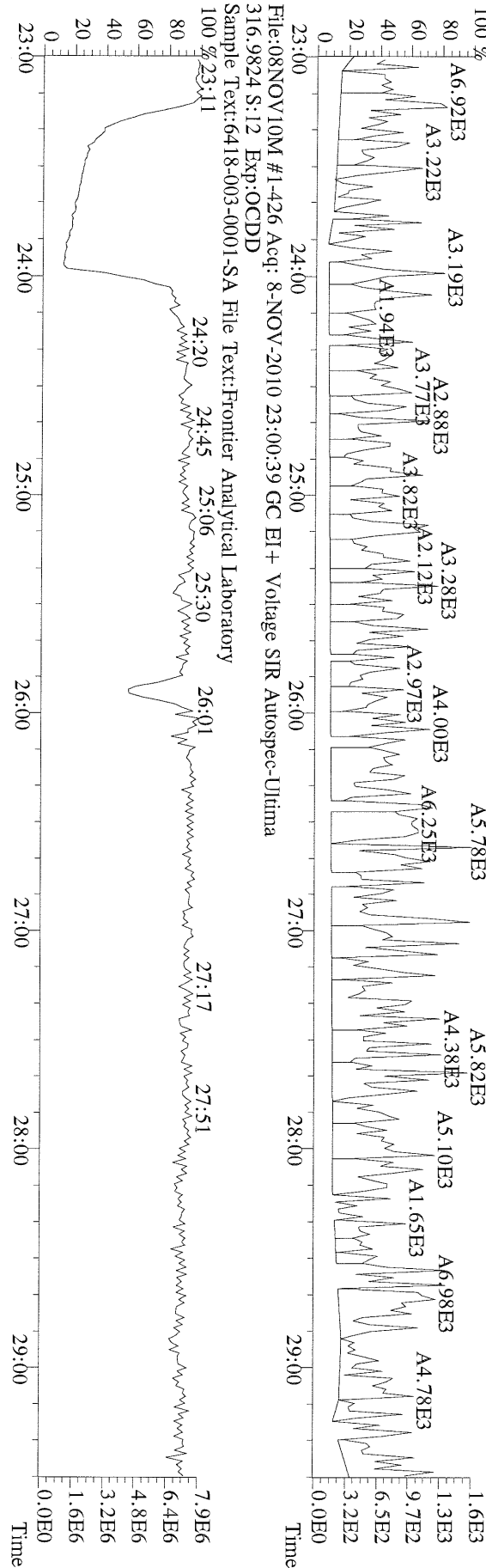
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 375.8364 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



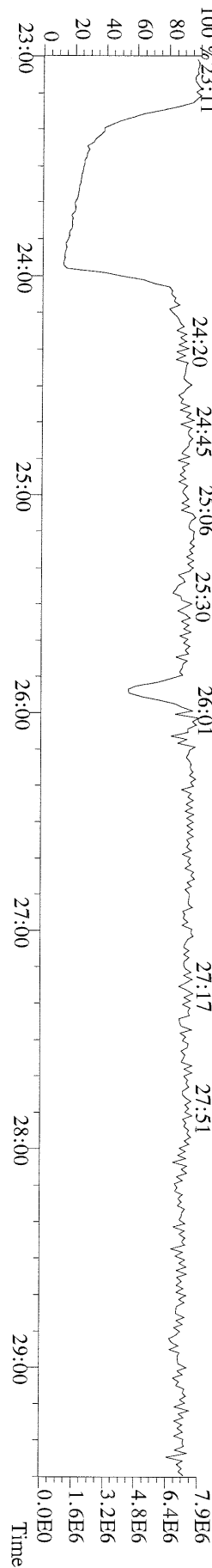
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 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



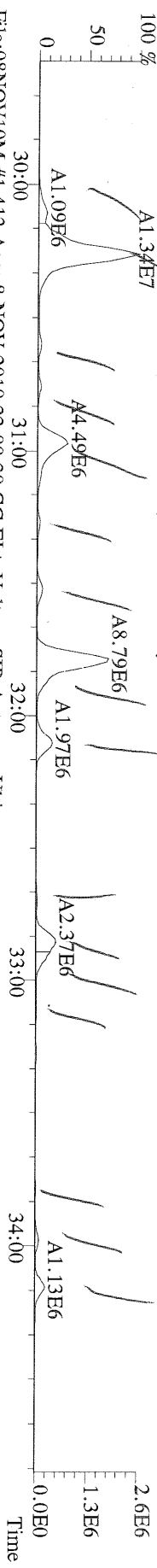
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:12 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



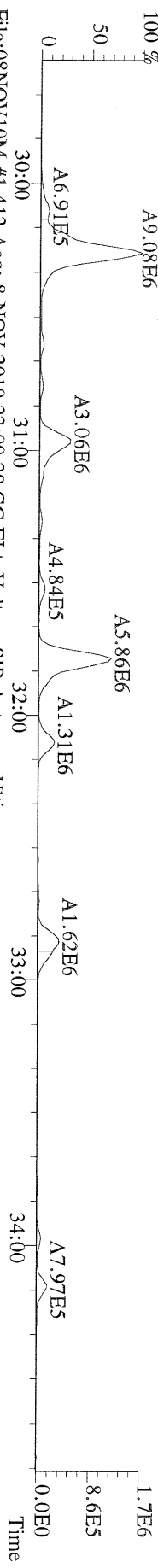
File:08NOV10M #1-426 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:12 Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



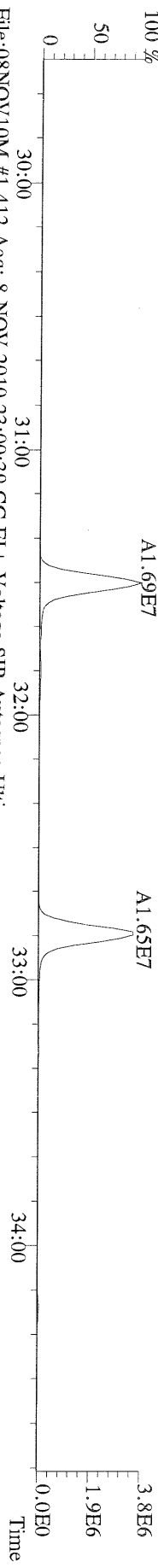
File:08NOV10M #1-412 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



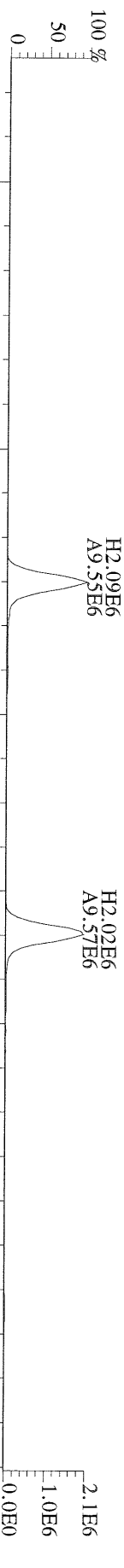
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 341.8568 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



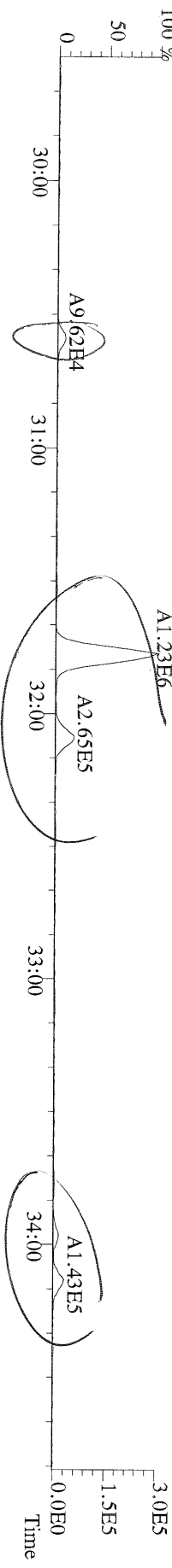
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 351.9000 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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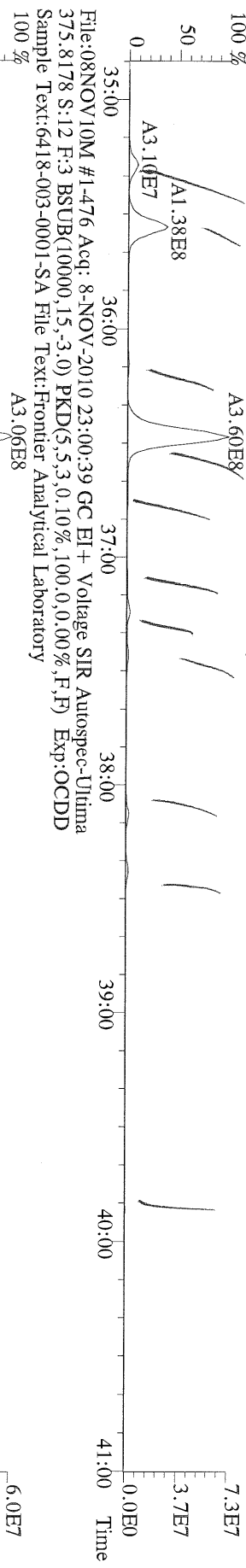
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 353.8970 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



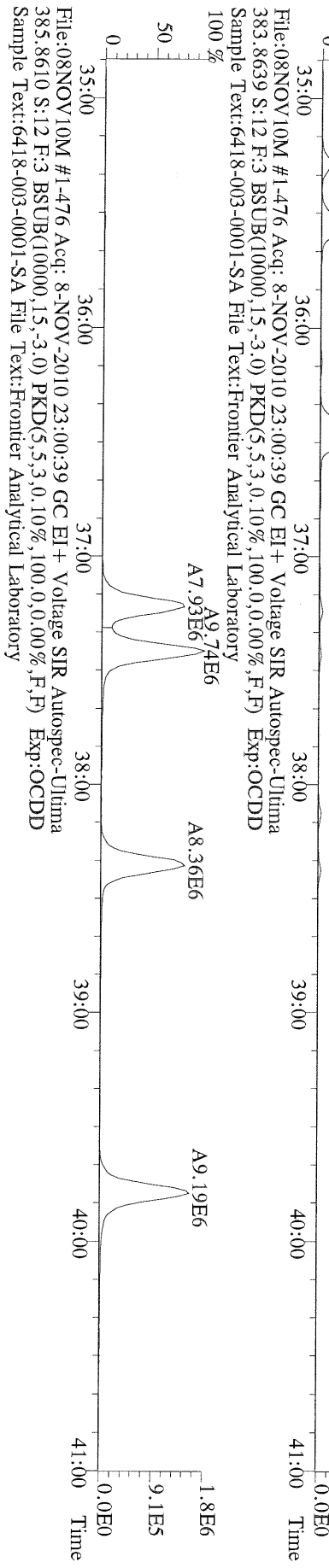
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 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



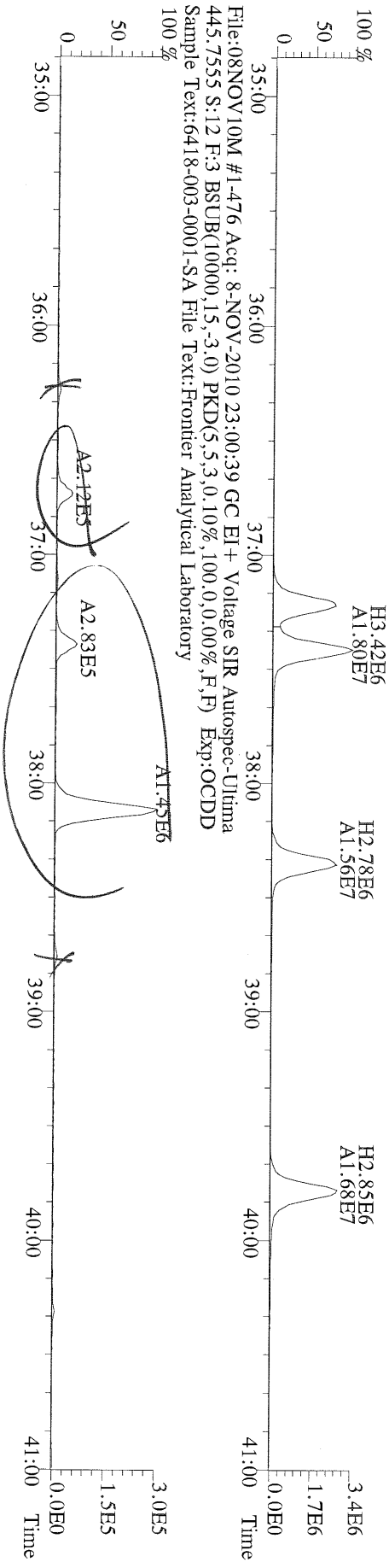
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
373.8207 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



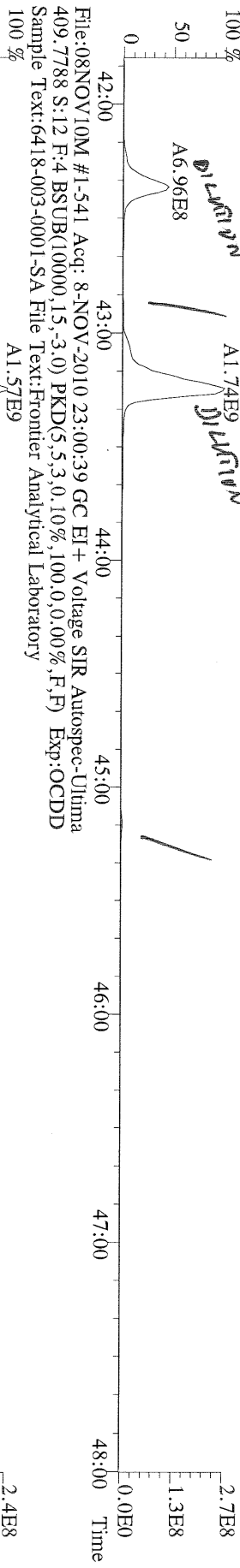
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
383.8639 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



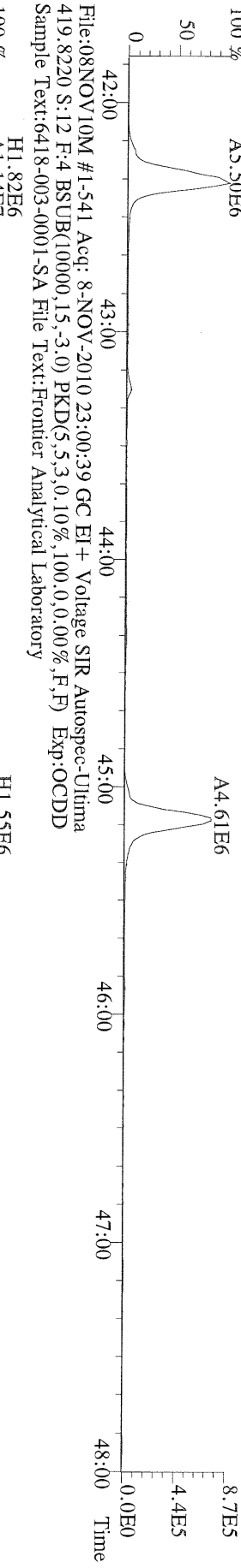
File:08NOV10M #1-476 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
445.7555 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



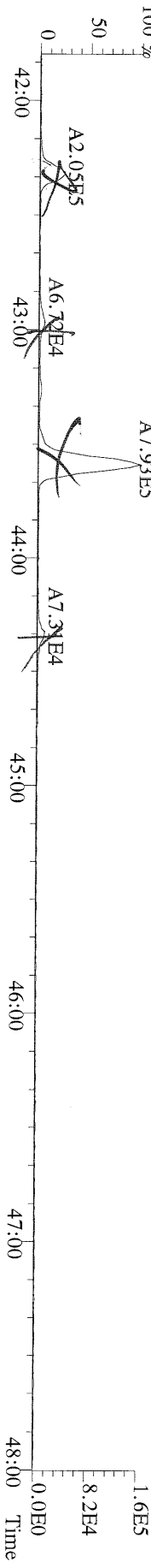
File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
407.7818 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
417.8253 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:6418-003-0001-SA File Text:Frontier Analytical Laboratory

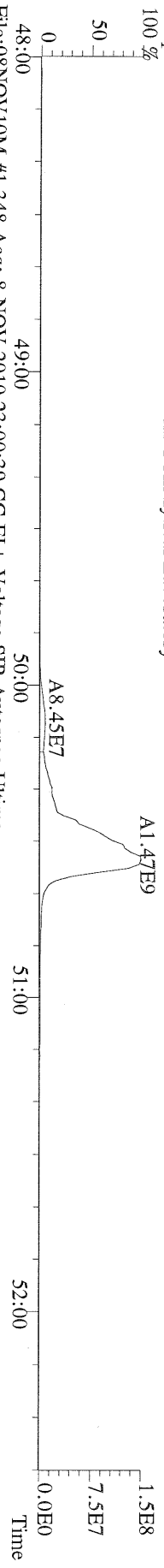


File:08NOV10M #1-541 Acq: 8-NOV-2010 23:00:39 GC EI+ Voltage SIR Autospec-Utima
479.7165 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory

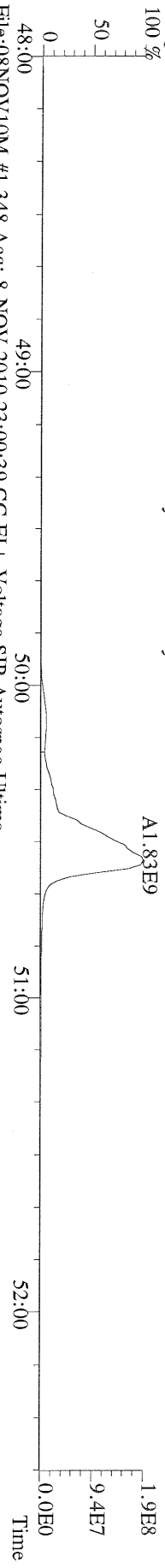


File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory

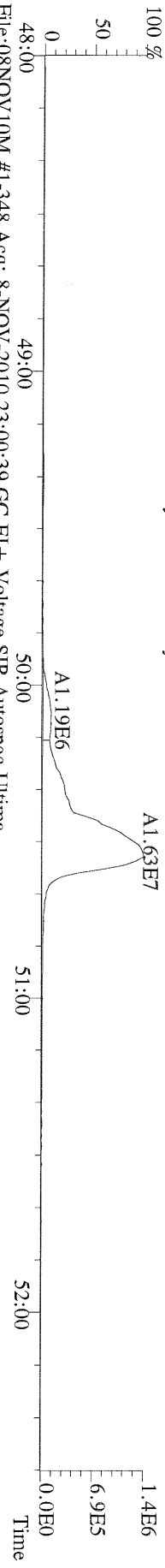
DIVISION



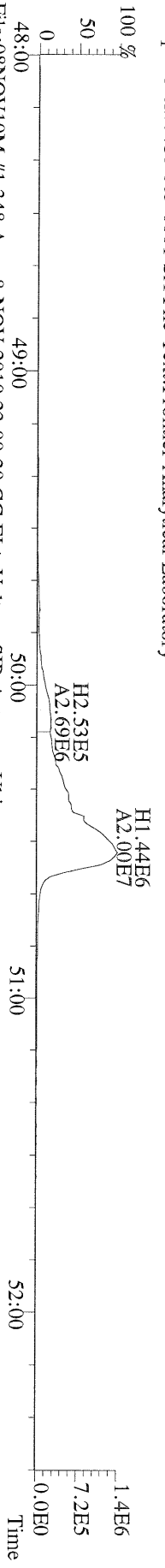
File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
443.7398 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



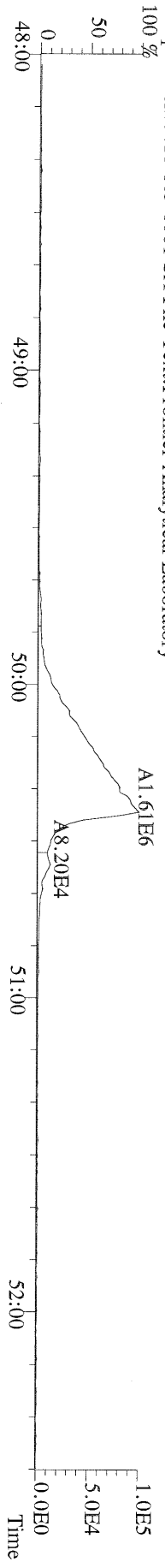
File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:12 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 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:6418-003-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 23:00:39 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:6418-003-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	DL	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	-	-	*		
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	-	-	*		
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*		
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*		
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	-	-	*		
1,2,3,4,6,7,8-HpCDD	3.13e+07	1.06 y	44:10	1.45	93100		2.50	-	-	*		
OCDD	2.09e+08	0.90 y	49:43	1.43	760000		2.50	-	-	*		
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	-	-	*		
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*		
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*		
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	-	-	*		
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	-	-	*		
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	-	-	*		
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	-	-	*		
1,2,3,4,6,7,8-HpCDF	9.99e+06	1.11 y	42:16	1.39	18100		2.50	-	-	*		
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	-	-	*		
OCDF	2.54e+07	0.80 y	50:05	0.79	102000		2.50	-	-	*		
13C-2,3,7,8-TCDD	*	* n	NotFnd	1.02	*					*	Rec	
13C-1,2,3,7,8-PeCDD	*	* n	NotFnd	0.84	*					*	*	
13C-1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.07	*					*	*	
13C-1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.01	*					*	*	
13C-1,2,3,4,6,7,8-HpCDD	9.07e+04	1.18 y	44:09	0.86	375					*	95.9	
13C-OCDD	1.50e+05	0.84 y	49:42	0.55	973					*	124	
13C-2,3,7,8-TCDF	*	* n	NotFnd	0.99	*					*		
13C-1,2,3,7,8-PeCDF	*	* n	NotFnd	0.84	*					*		
13C-2,3,4,7,8-PeCDF	*	* n	NotFnd	0.81	*					*		
13C-1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.85	*					*		
13C-1,2,3,6,7,8-HxCDF	*	* n	NotFnd	2.54	*					*		
13C-2,3,4,6,7,8-HxCDF	*	* n	NotFnd	2.01	*					*		
13C-1,2,3,7,8,9-HxCDF	*	* n	NotFnd	2.03	*					*		
13C-1,2,3,4,6,7,8-HpCDF	1.56e+05	0.48 y	42:15	1.11	496					*	127	
13C-1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	0.80	*					*		
13C-OCDF	2.49e+05	1.00 y	50:03	1.08	815					*	104	
37Cl-2,3,7,8-TCDD	*		NotFnd	0.69	*					*		
13C-1,2,3,4-TCDD	*	* n	NotFnd	-	*					*		
13C-1,2,3,4-TCDF	*	* n	NotFnd	-	*					*		
13C-1,2,3,7,8,9-HxCDD	1.11e+05	1.21 y	39:11	-	0.0785					*		
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	-	-	*		0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	-	-	*		0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	-	-	*		0
Total Hepta-Dioxins	6.63e+07		42:47	1.45	197000		2.50	-	-	*		2
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	-	-	*		0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	PeCDF	0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	0.00	0
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	-	-	*		0
Total Hepta-Furans	3.67e+07		42:16	1.38	67000		2.50	-	-	*		2

Analyst:

Date: 11/9/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 14

File: 08NOV10M

S: 10 I: 1 F: 4

Acquired: 8-NOV-10 21:10:02

Total Concentration: 197000

Unnamed Concentration: 103798.813

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	1.81e+07	1.68e+07	1.08 y	3.49e+07	104000	
44:10	1.62e+07	1.52e+07	1.06 y	3.13e+07	93100	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 14

File: 08NOV10M

S: 10 I: 1 F: 4

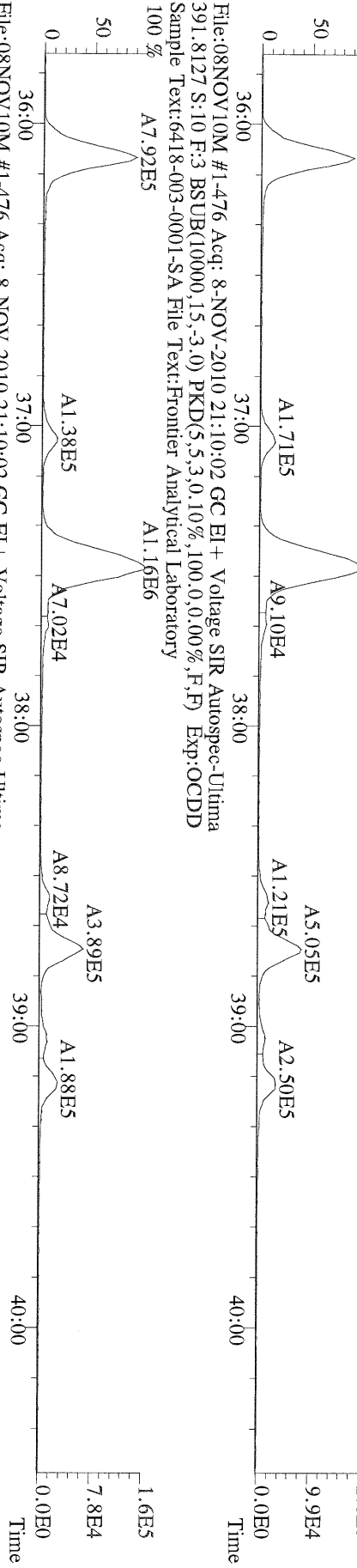
Acquired: 8-NOV-10 21:10:02

Total Concentration: 67000

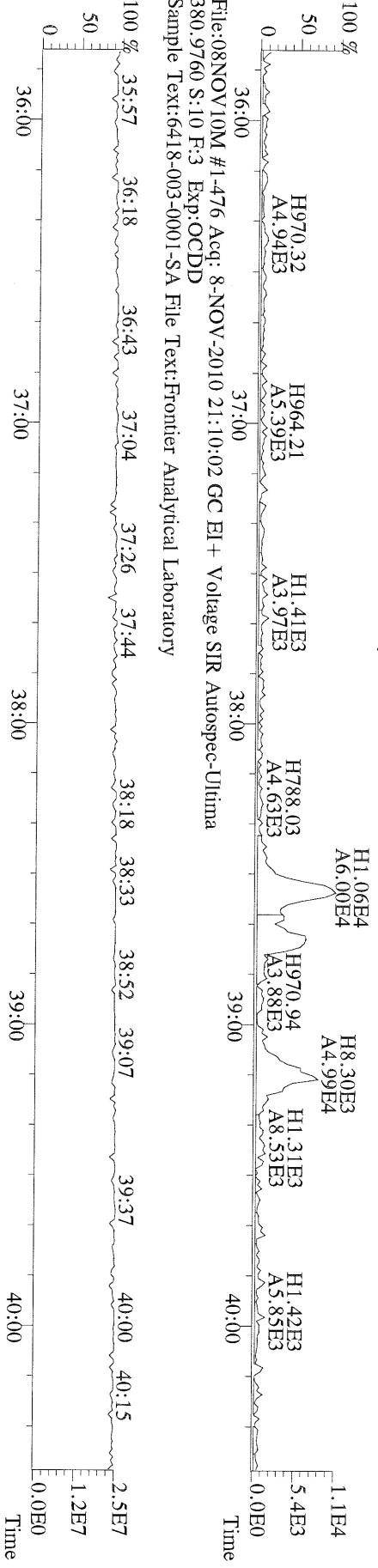
Unnamed Concentration: 48862.846

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:16	5.26e+06	4.73e+06	1.11 y	9.99e+06	18100	1,2,3,4,6,7,8-HpCDF
43:04	1.41e+07	1.26e+07	1.11 y	2.67e+07	48900	

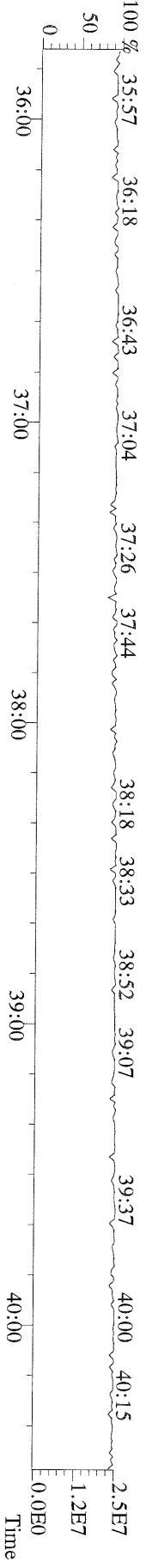
File:08NOV10M #1-476 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



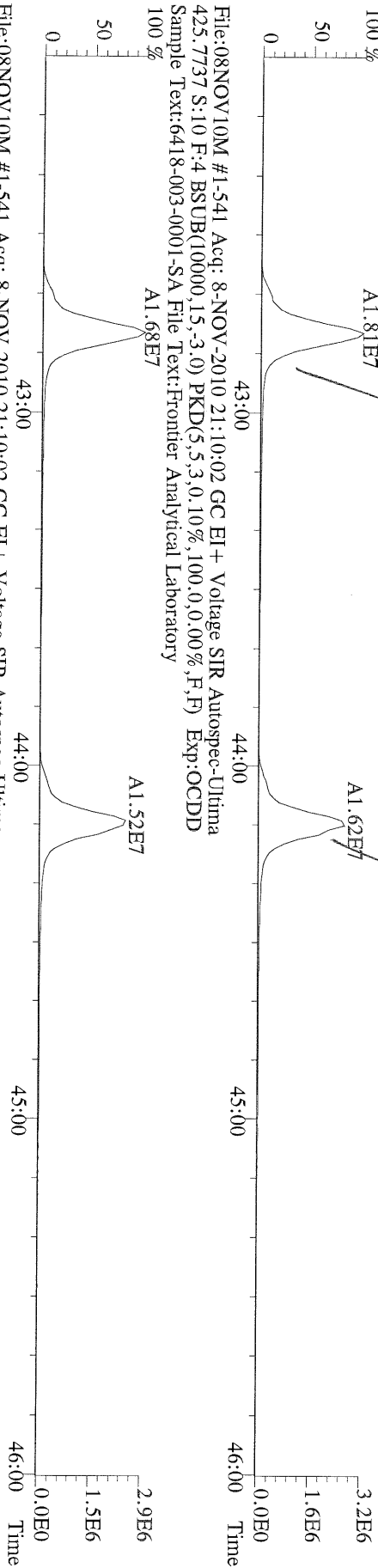
File:08NOV10M #1-476 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
100 %



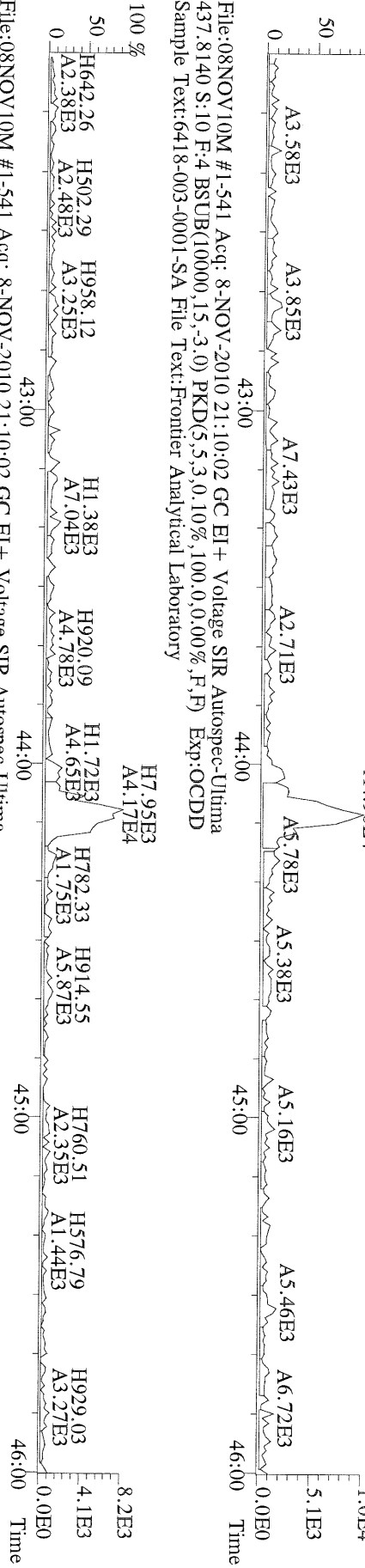
File:08NOV10M #1-476 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:10 F:3 Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



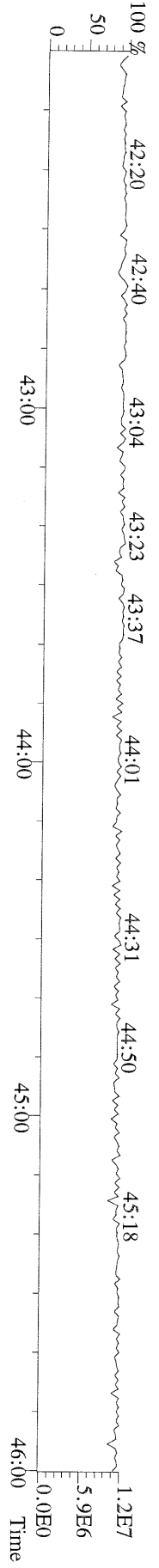
File:08NOV10M #1-541 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
 100 %



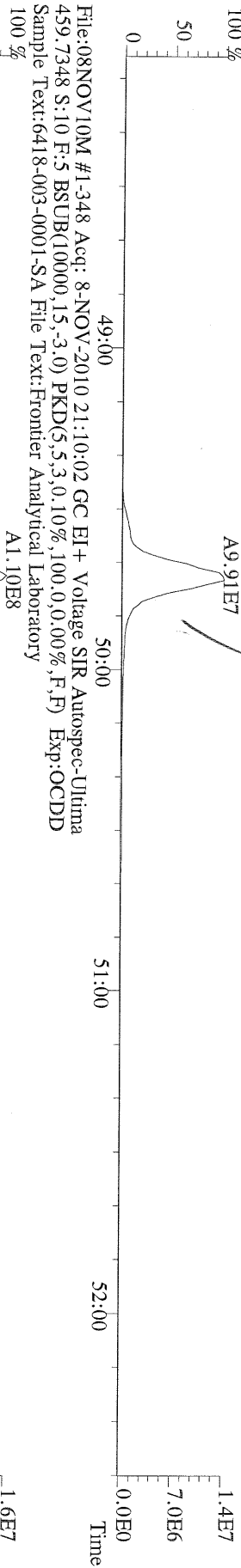
File:08NOV10M #1-541 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 435.8169 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory
 100 %



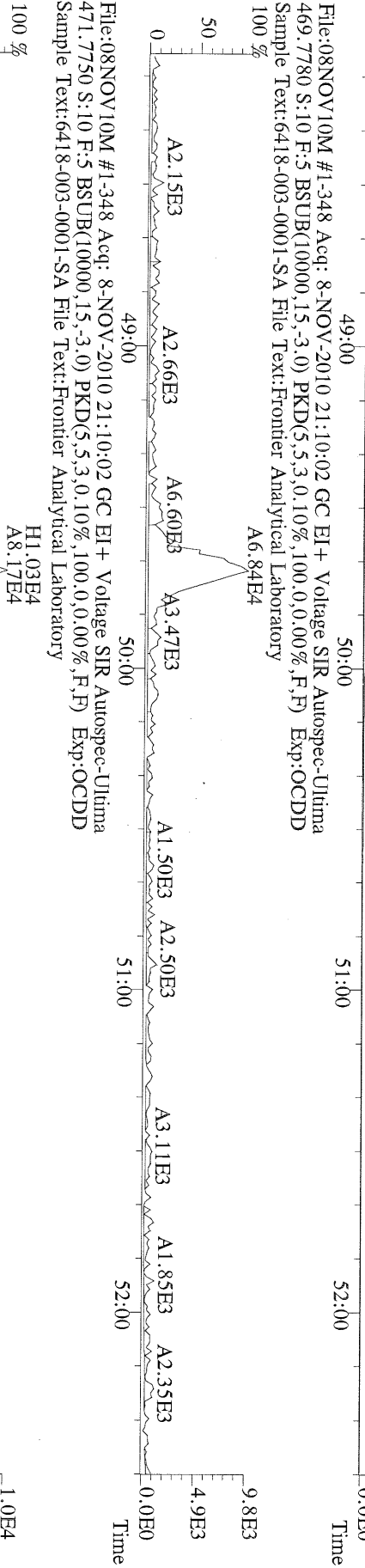
File:08NOV10M #1-541 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 430.9728 S:10 F:4 Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



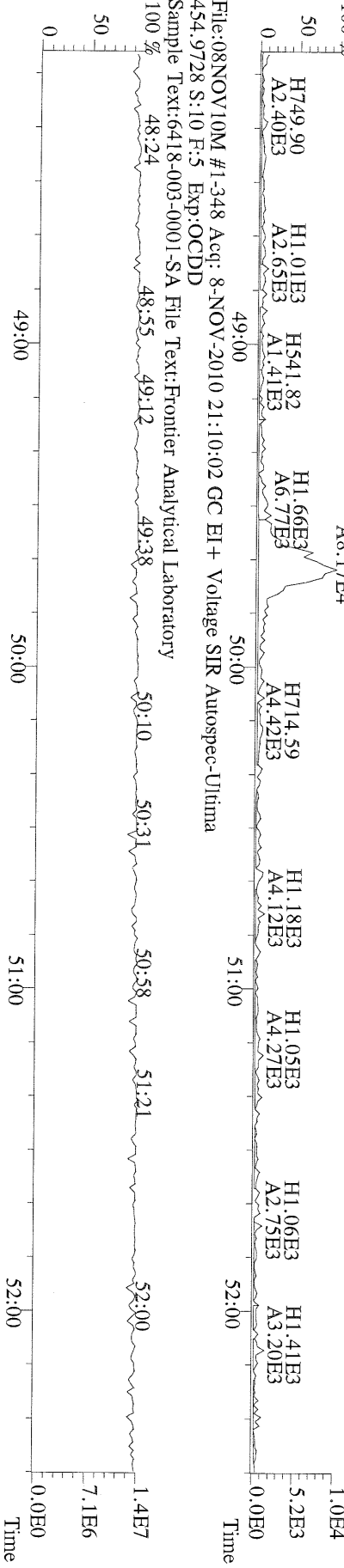
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 457.7377 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



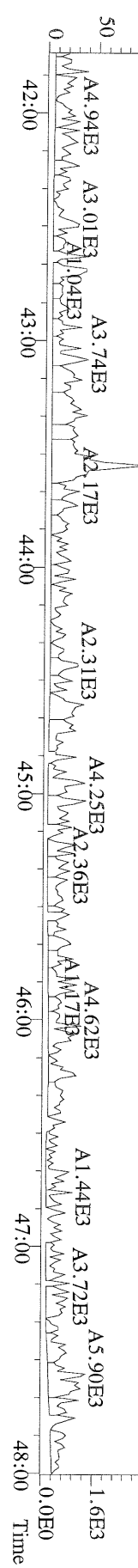
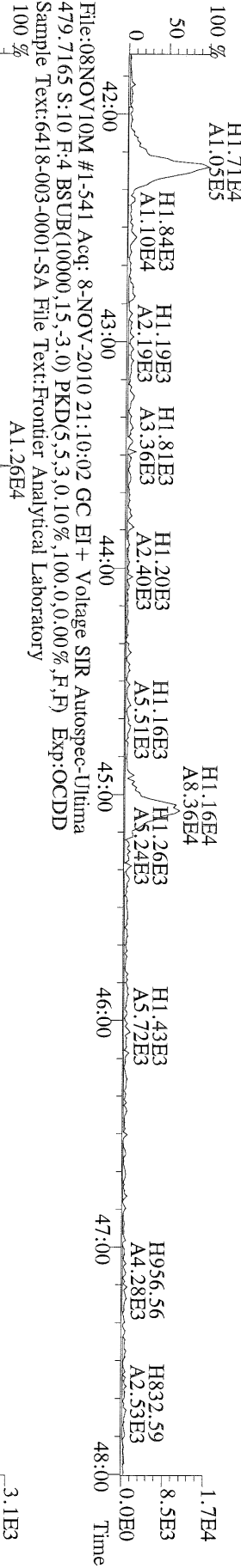
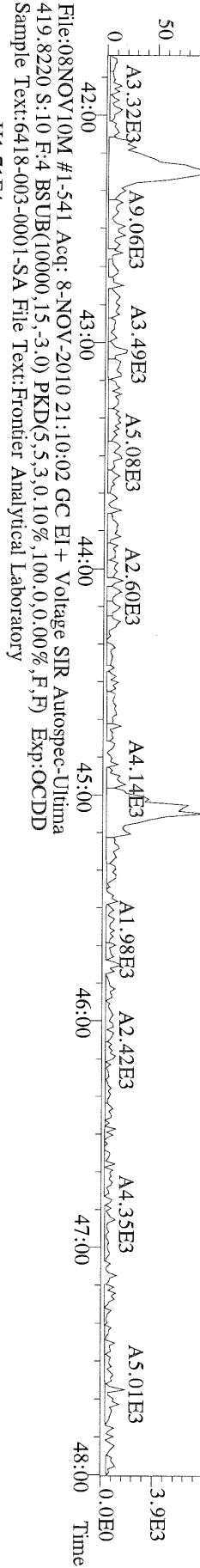
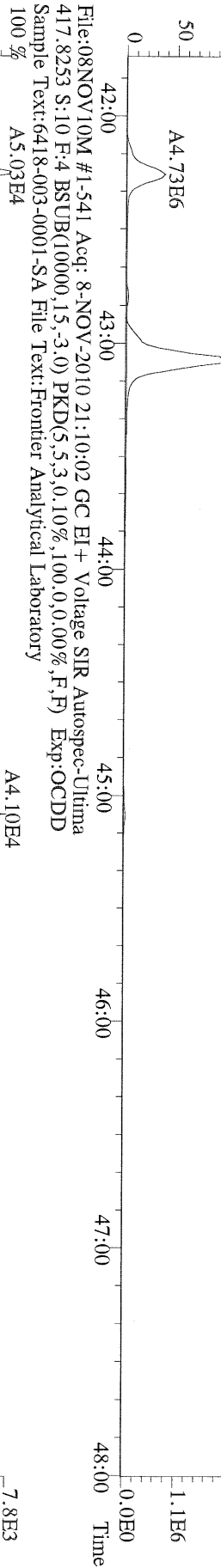
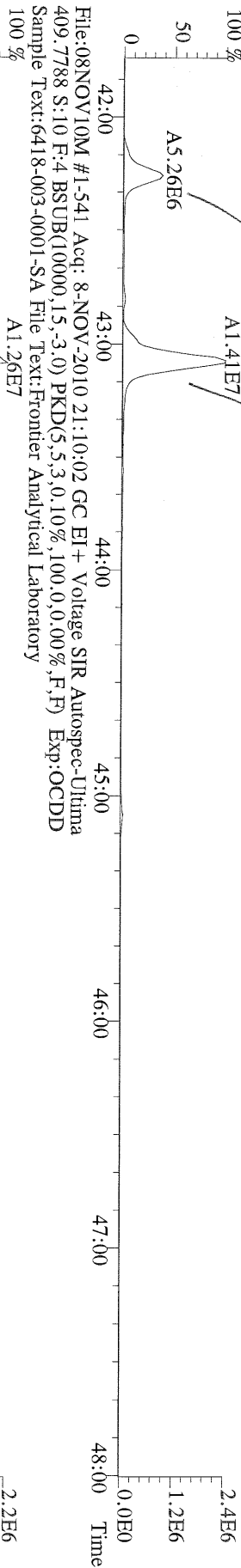
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 469.7780 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



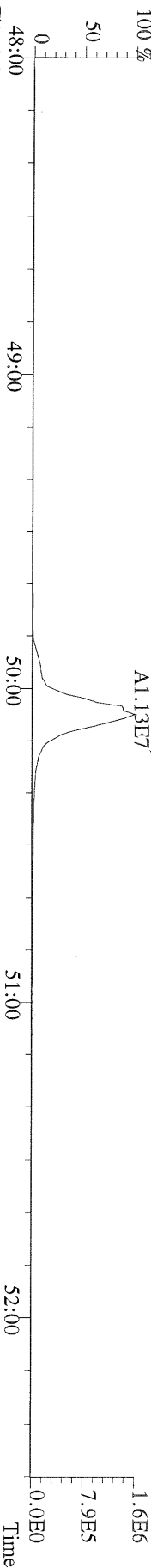
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 454.9728 S:10 F:5 Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



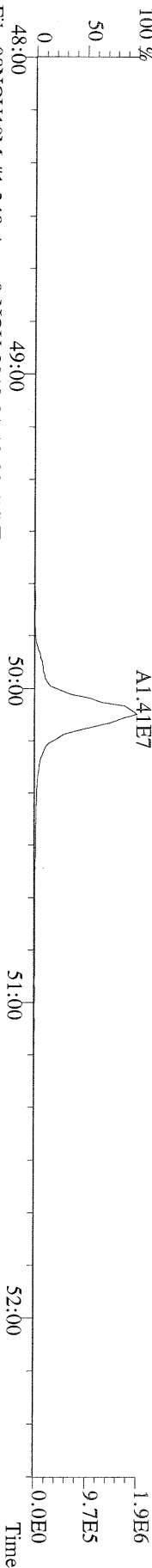
File:08NOV10M #1-541 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Utima
407.7818 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



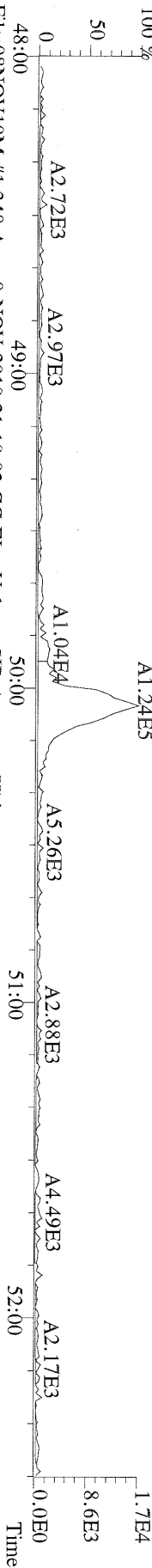
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



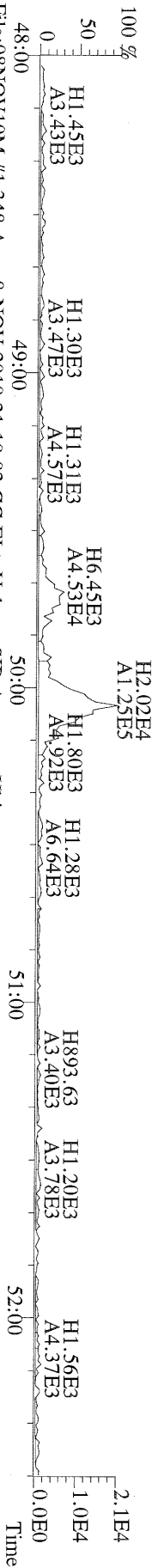
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



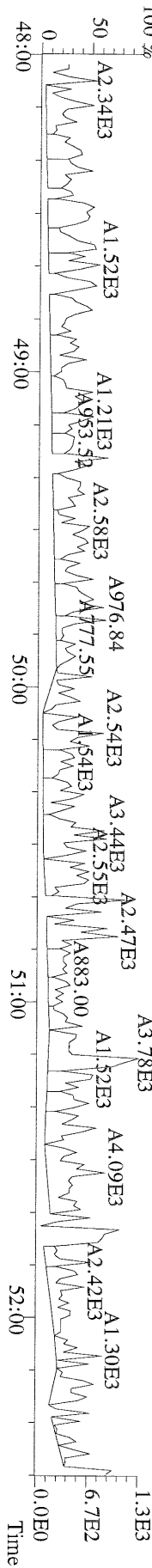
File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-348 Acq: 8-NOV-2010 21:10:02 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:10 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-003-0001-SA File Text:Frontier Analytical Laboratory




FAL ID: 6418-003-0001-SA Filename: 09NOV10A Sam:2 Acquired: 9-NOV-10 15:35:08 ICal: tcdffal1-9-3-10

Client ID: PSB11-14-16-073010

ConCal: ST110910A1 EndCal: ST110910A2

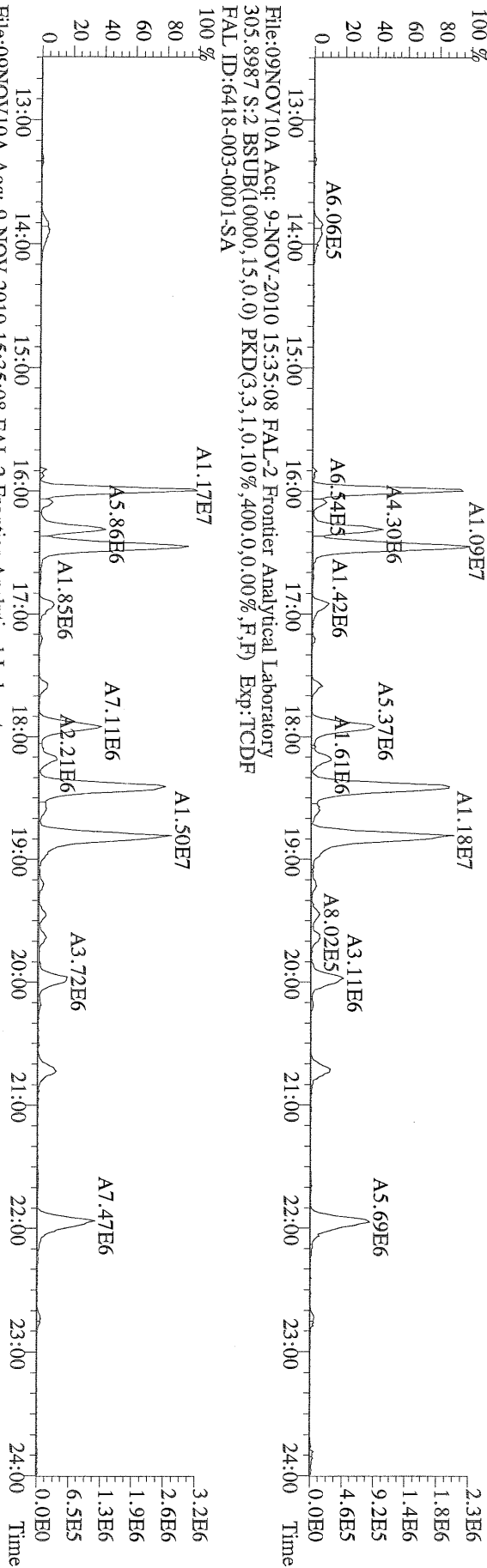
Results: GC Column: DB225 Amount: 5.110

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom	Rec
2,3,7,8-TCDF	2.14e+06	0.81 y	19:27	1.10	4.67		2.50	-	-	1	
13C-2,3,7,8-TCDF	1.64e+08	0.81 y	19:25	1.06	386						98.6
13C-1,2,3,4-TCDF	1.57e+08	0.74 y	16:55	-	21.4						

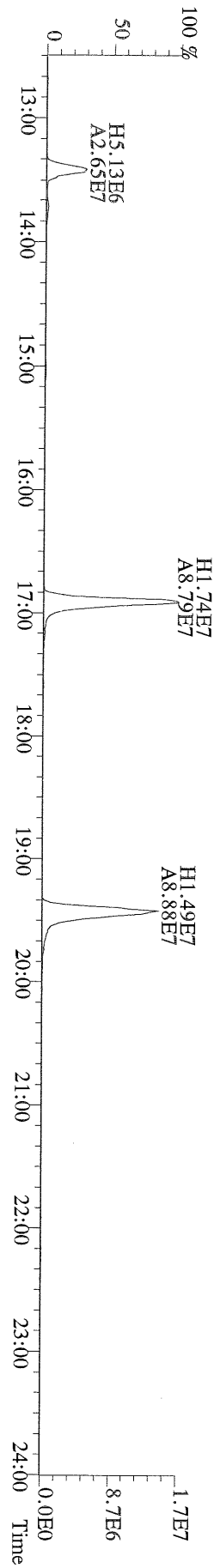
Analyst: 

Date: 11/10/10

File:09NOV10A Acq: 9-NOV-2010 15:35:08 FAL-2 Frontier Analytical Laboratory
303.9016 S:2 BSUB(10000,15,0.0) PKD(3,3,1,0.10%,400.0,0.00%,F,F) Exp.:TCDF
FAL ID:6418-003-0001-SA



File:09NOV10A Acq: 9-NOV-2010 15:35:08 FAL-2 Frontier Analytical Laboratory
315.9419 S:2 BSUB(10000,15,0.0) PKD(3,3,1,0.10%,400.0,0.00%,F,F) Exp.:TCDF
FAL ID:6418-003-0001-SA



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL		
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	634	804	0.495	
1,2,3,7,8-PeCDD	4.45e+04	1.70 y	33:13	1.10	1.63	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	6.55e+04	1.35 y	38:34	1.37	1.95	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	4.31e+05	1.28 y	38:45	1.37	15.1		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.78e+05	1.34 y	39:11	1.36	5.78		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.31e+07	1.10 y	44:10	1.45	478		2.50	-	-	*	
OCDD	1.13e+08	0.93 y	49:44	1.43	6780		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	916	1750	0.320	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	811	566	0.337	
2,3,4,7,8-PeCDF	5.48e+04	1.44 y	32:49	0.94	1.22	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	1.10e+05	1.14 y	37:11	0.93	2.93	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	8.13e+04	1.17 y	37:23	0.82	1.91	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.26e+05	1.24 y	38:20	0.92	3.24	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	705	642	0.425	
1,2,3,4,6,7,8-HpCDF	4.63e+06	1.10 y	42:15	1.39	121		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	1.95e+05	1.13 y	45:05	1.36	5.68		2.50	-	-	*	
OCDF	1.09e+07	0.81 y	50:05	0.79	572		2.50	-	-	*	
										Rec	
13C-2,3,7,8-TCDD	1.09e+07	0.73 y	27:21	1.02	338					86.3	
13C-1,2,3,7,8-PeCDD	9.68e+06	1.70 y	33:12	0.84	365					93.3	
13C-1,2,3,4,7,8-HxCDD	9.56e+06	1.28 y	38:33	1.07	349					89.1	
13C-1,2,3,6,7,8-HxCDD	8.17e+06	1.26 y	38:44	1.01	316					80.8	
13C-1,2,3,4,6,7,8-HpCDD	7.37e+06	1.11 y	44:09	0.86	337					86.2	
13C-OCDD	9.08e+06	0.94 y	49:41	0.55	651					83.2	
13C-2,3,7,8-TCDF	2.23e+07	0.86 y	26:36	0.99	343					87.6	
13C-1,2,3,7,8-PeCDF	2.04e+07	1.69 y	31:27	0.84	374					95.4	
13C-2,3,4,7,8-PeCDF	1.88e+07	1.69 y	32:47	0.81	354					90.4	
13C-1,2,3,4,7,8-HxCDF	1.59e+07	0.55 y	37:10	1.85	336					85.9	
13C-1,2,3,6,7,8-HxCDF	2.03e+07	0.54 y	37:21	2.54	314					80.1	
13C-2,3,4,6,7,8-HxCDF	1.66e+07	0.55 y	38:18	2.01	322					82.3	
13C-1,2,3,7,8,9-HxCDF	1.76e+07	0.54 y	39:45	2.03	340					86.8	
13C-1,2,3,4,6,7,8-HpCDF	1.08e+07	0.46 y	42:14	1.11	381					97.4	
13C-1,2,3,4,7,8,9-HpCDF	9.90e+06	0.46 y	45:04	0.80	482					123	
13C-OCDF	1.90e+07	0.95 y	50:05	1.08	686					87.6	
37Cl-2,3,7,8-TCDD	3.12e+06		27:22	0.69	144					92.3	
13C-1,2,3,4-TCDD	1.23e+07	0.74 y	26:45	-	5.37						
13C-1,2,3,4-TCDF	2.56e+07	0.85 y	25:29	-	6.92						
13C-1,2,3,7,8,9-HxCDD	9.99e+06	1.23 y	39:10	-	7.09						
Total Tetra-Dioxins	1.10e+05		24:20	1.11	3.56		Fac Noise-1	Noise-2	DL	#Hom	
Total Penta-Dioxins	2.31e+05		30:13	1.10	8.49		2.50	-	-	*	3
Total Hexa-Dioxins	2.73e+06		36:06	1.37	89.1		2.50	-	-	*	4
Total Hepta-Dioxins	2.68e+07		42:47	1.45	981		2.50	-	-	*	6
Total Tetra-Furans	2.27e+05		23:45	1.50	2.65		2.50	-	-	*	2
1st Fn. Tot Penta-Furans	2.25e+05		28:25	0.94	4.79		2.50	-	-	*	3
Total Penta-Furans	3.92e+05		30:12	0.94	8.39		2.50	-	-	*	PeCDF 13.2 ✓
Total Hexa-Furans	4.44e+06		35:14	0.91	109		2.50	-	-	*	4
Total Hepta-Furans	1.75e+07		42:15	1.38	474		2.50	-	-	*	8

Analyst:

Date: 11/9/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 1

Acquired: 8-NOV-10 16:33:24

Total Concentration: 3.56

Unnamed Concentration: 3.563

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
24:20	1.41e+04	1.75e+04 0.80 y	3.16e+04	1.02	
24:37	1.63e+04	1.85e+04 0.88 y	3.48e+04	1.13	
25:54	1.80e+04	2.57e+04 0.70 y	4.37e+04	1.41	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 2

Acquired: 8-NOV-10 16:33:24

Total Concentration: 8.49

Unnamed Concentration: 6.858

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:13	6.54e+04	3.71e+04	1.76 y	1.02e+05	3.76	
31:29	1.95e+04	1.15e+04	1.70 y	3.09e+04	1.13	
31:41	3.39e+04	1.96e+04	1.73 y	5.35e+04	1.96	
33:13	2.80e+04	1.65e+04	1.70 y	4.45e+04	1.63	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 3

Acquired: 8-NOV-10 16:33:24

Total Concentration: 89.1

Unnamed Concentration: 66.364

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:06	4.32e+05	3.44e+05	1.25 y	7.76e+05	25.0	
37:03	5.85e+04	5.37e+04	1.09 y	1.12e+05	3.62	
37:28	6.55e+05	5.15e+05	1.27 y	1.17e+06	37.7	
38:34	3.76e+04	2.78e+04	1.35 y	6.55e+04	1.95	1,2,3,4,7,8-HxCDD
38:45	2.42e+05	1.89e+05	1.28 y	4.31e+05	15.1	1,2,3,6,7,8-HxCDD
39:11	1.02e+05	7.62e+04	1.34 y	1.78e+05	5.78	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 4

Acquired: 8-NOV-10 16:33:24

Total Concentration: 981

Unnamed Concentration: 502.885

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	7.06e+06	6.70e+06	1.05 y	1.38e+07	503	
44:10	6.85e+06	6.22e+06	1.10 y	1.31e+07	478	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 1

Acquired: 8-NOV-10 16:33:24

Total Concentration: 2.65

Unnamed Concentration: 2.652

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
23:45	3.52e+04	4.13e+04 0.85 y	7.65e+04	0.895	
27:51	2.89e+04	4.04e+04 0.71 y	6.93e+04	0.811	
28:03	3.58e+04	4.51e+04 0.79 y	8.09e+04	0.946	

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

Run: 9 File: 08NOV10M S: 5 I: 1 F: 1
Acquired: 8-NOV-10 16:33:24

Total Concentration: 4.79 Unnamed Concentration: 4.793

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:25	1.34e+05	9.17e+04	1.46 y	2.25e+05	4.79	

Totals class: Total Penta-Furans

Entry #: 44

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 2

Acquired: 8-NOV-10 16:33:24

Total Concentration: 8.39

Unnamed Concentration: 7.168

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:12	9.71e+04	6.86e+04	1.41 y	1.66e+05	3.52	
30:55	4.44e+04	3.15e+04	1.41 y	7.58e+04	1.61	
31:47	5.46e+04	4.09e+04	1.33 y	9.56e+04	2.03	
32:49	3.24e+04	2.25e+04	1.44 y	5.48e+04	1.22	2,3,4,7,8-PeCDF

Totals class: Total Hexa-Furans

Entry #: 45

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 3

Acquired: 8-NOV-10 16:33:24

Total Concentration: 109

Unnamed Concentration: 100.630

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	1.23e+05	1.05e+05	1.17 y	2.28e+05	5.57	
35:30	5.38e+05	4.53e+05	1.19 y	9.91e+05	24.2	
36:06	2.78e+04	2.23e+04	1.25 y	5.01e+04	1.22	
36:24	1.52e+06	1.25e+06	1.21 y	2.77e+06	67.7	
37:11	5.87e+04	5.16e+04	1.14 y	1.10e+05	2.93	1,2,3,4,7,8-HxCDF
37:23	4.39e+04	3.74e+04	1.17 y	8.13e+04	1.91	1,2,3,6,7,8-HxCDF
38:06	4.39e+04	3.65e+04	1.20 y	8.04e+04	1.97	
38:20	6.99e+04	5.63e+04	1.24 y	1.26e+05	3.24	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 9

File: 08NOV10M

S: 5 I: 1 F: 4

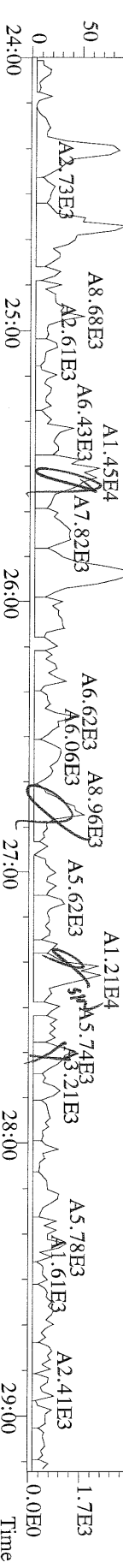
Acquired: 8-NOV-10 16:33:24

Total Concentration: 474

Unnamed Concentration: 347.569

RT	mL Resp	m2 Resp	RA	Resp	Concentration	Name
42:15	2.43e+06	2.21e+06	1.10 y	4.63e+06	121	1,2,3,4,6,7,8-HpCDF
42:49	4.38e+04	3.88e+04	1.13 y	8.26e+04	2.27	
43:05	6.62e+06	5.95e+06	1.11 y	1.26e+07	345	
45:05	1.03e+05	9.14e+04	1.13 y	1.95e+05	5.68	1,2,3,4,7,8,9-HpCDF

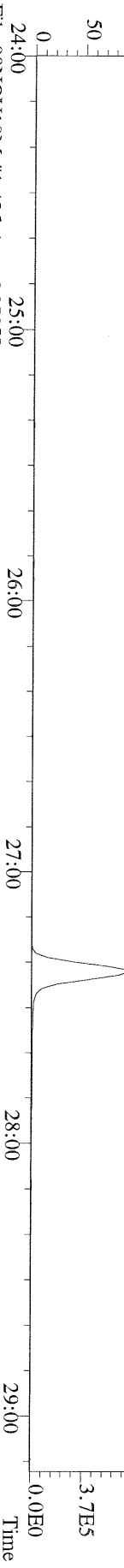
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 319.8965 S.:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



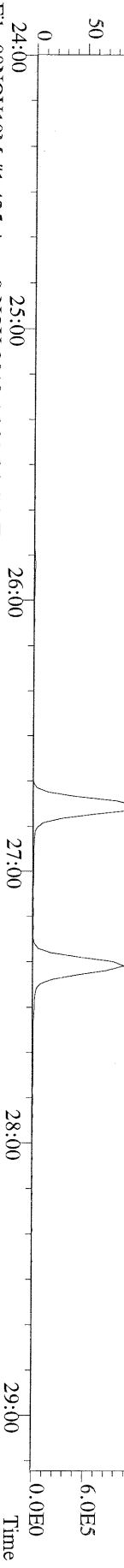
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 321.8936 S.:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



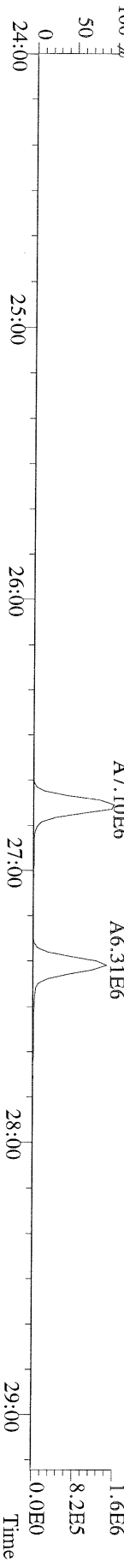
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 327.8847 S.:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



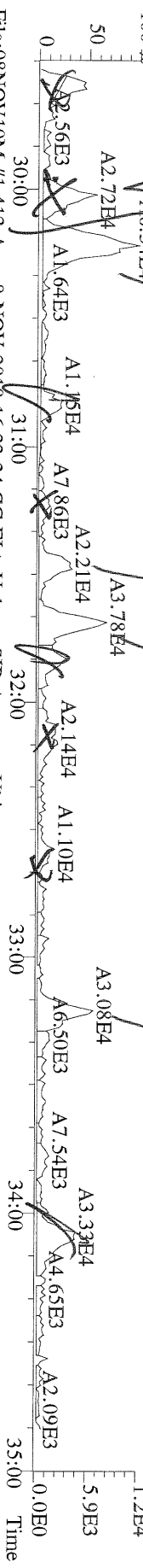
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 331.9368 S.:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



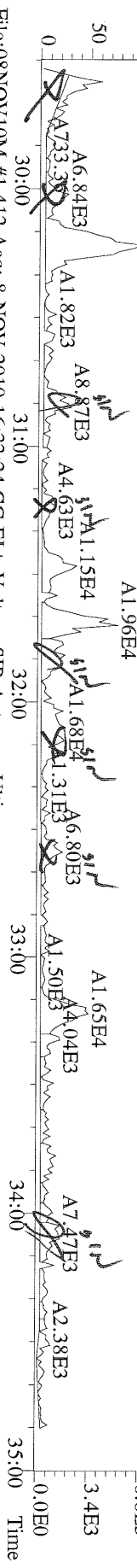
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 333.9339 S.:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



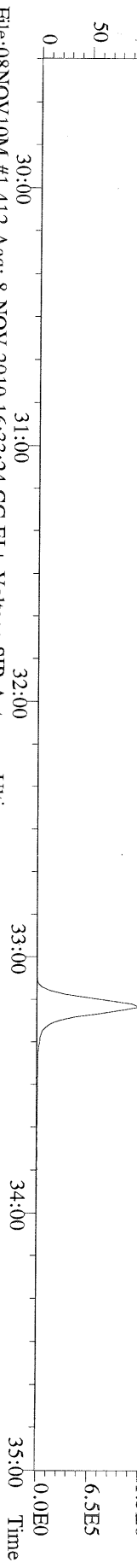
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0%) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



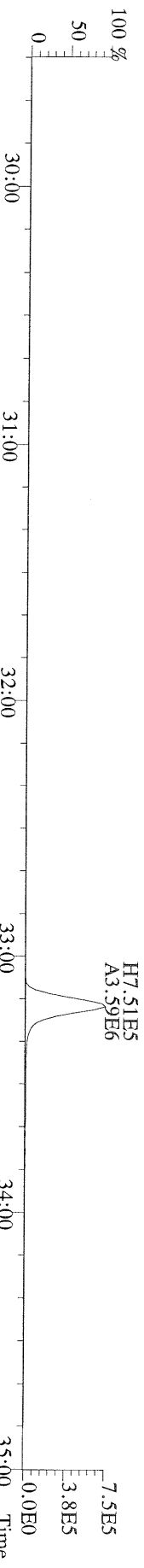
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0%) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



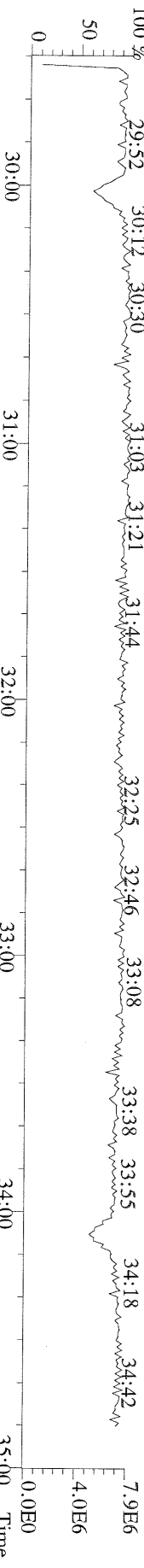
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0%) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



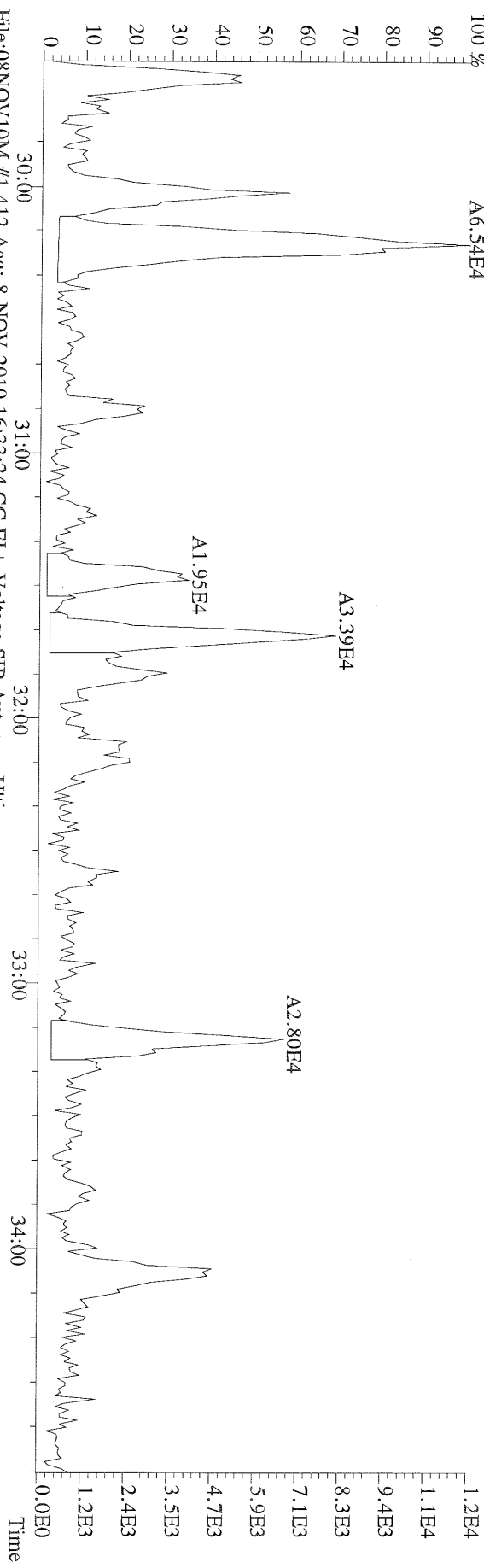
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 366.9792 S:5 F:2 Exp:OCDD



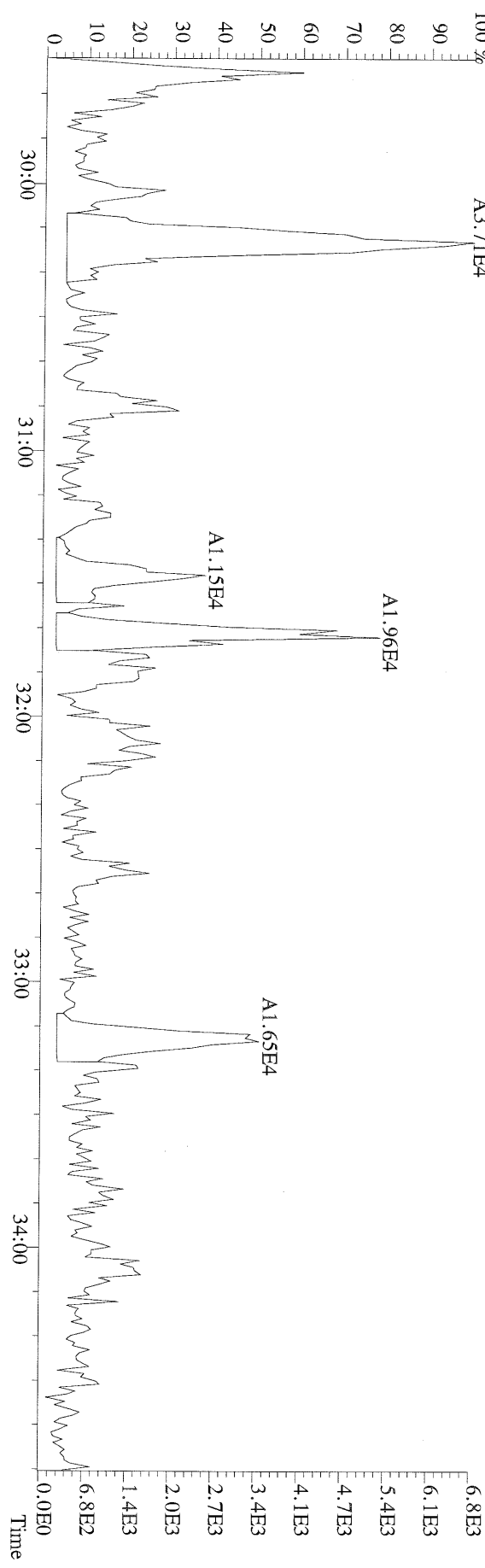
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 366.9792 S:5 F:2 Exp:OCDD



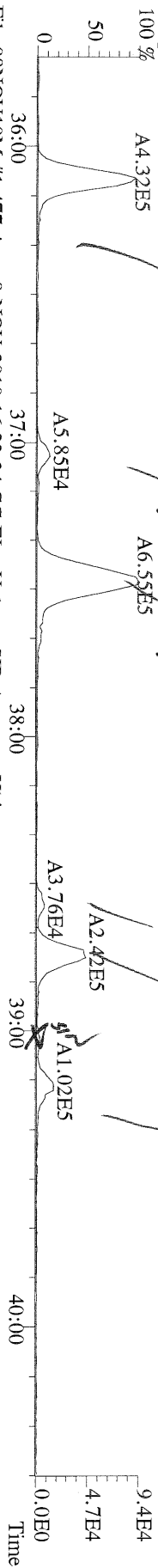
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
 100 % A6.54E4



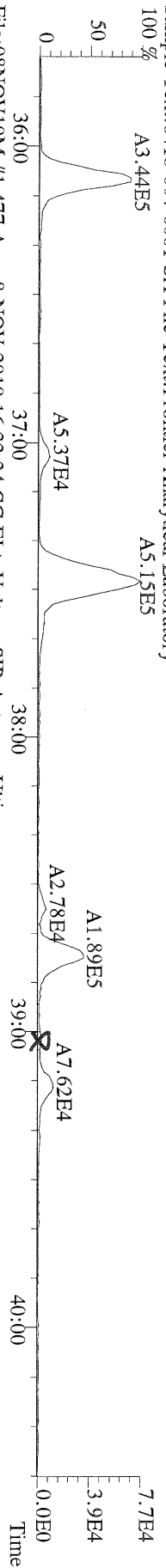
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
 100 % A3.71E4



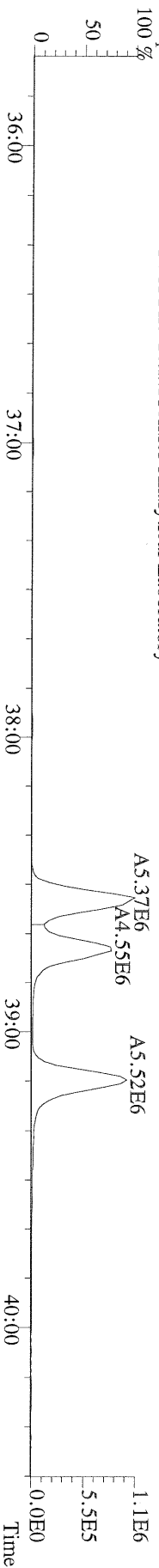
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



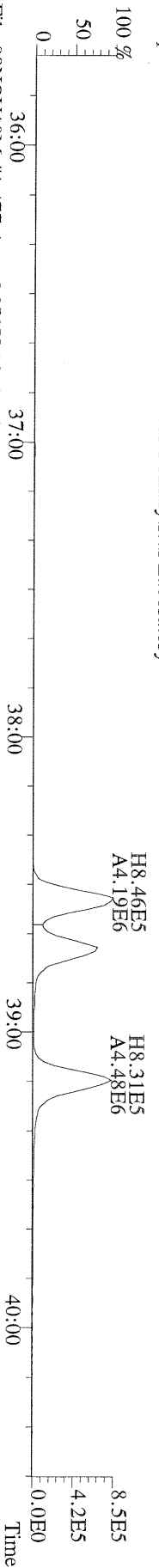
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



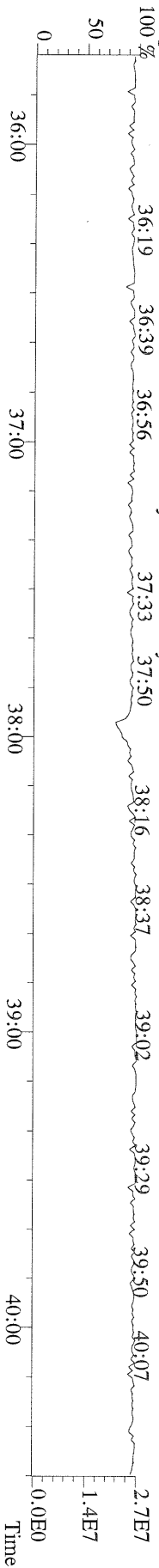
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 401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



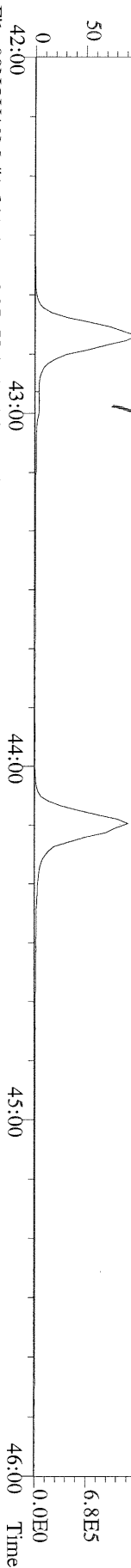
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 403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



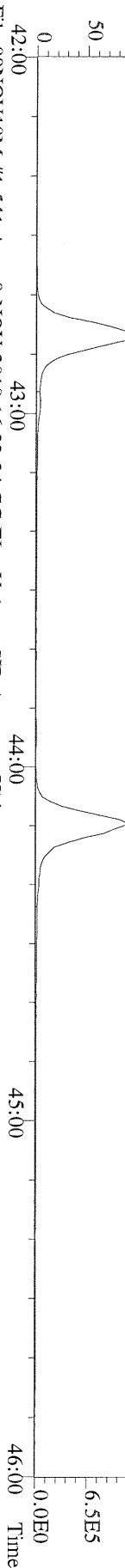
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:5 F:3 Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



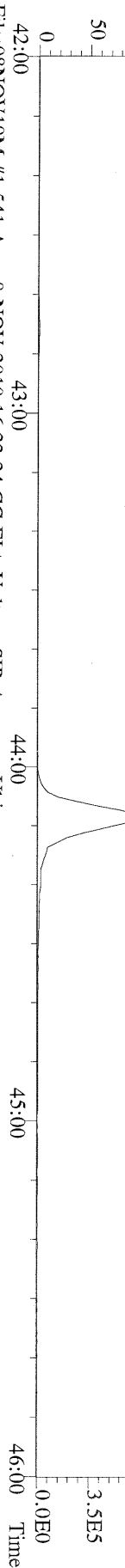
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
423.7767 S:5 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



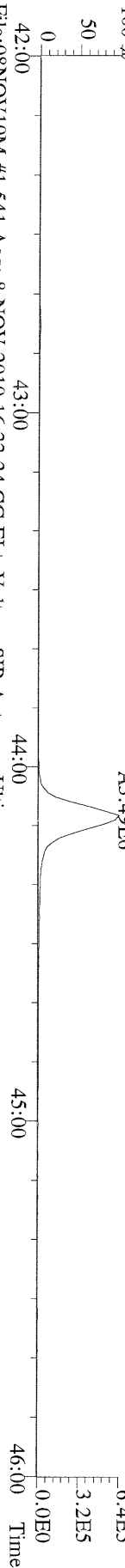
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
425.7737 S:5 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



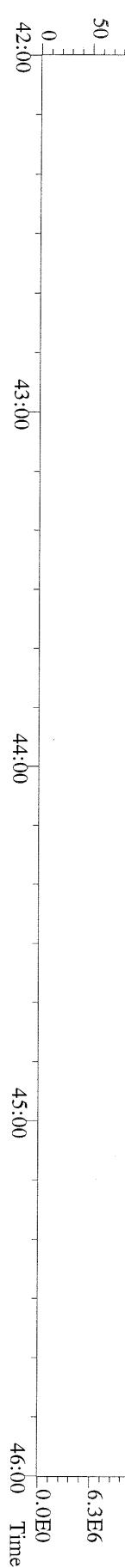
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
435.8169 S:5 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



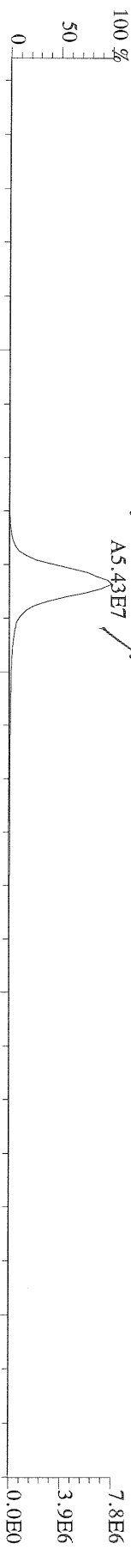
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437.8140 S:5 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



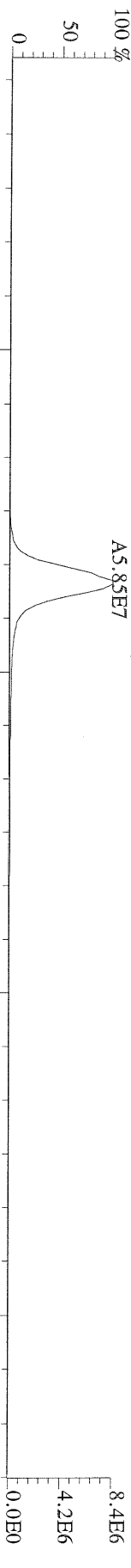
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
430.9728 S:5 F:4 Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



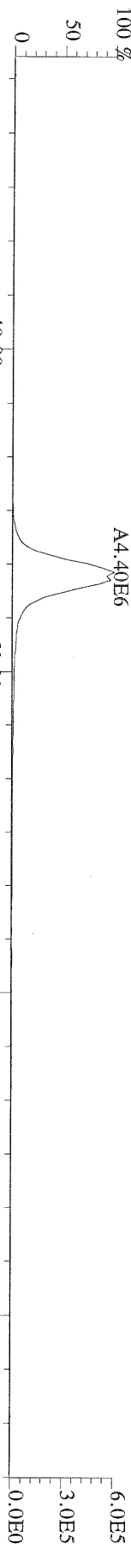
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



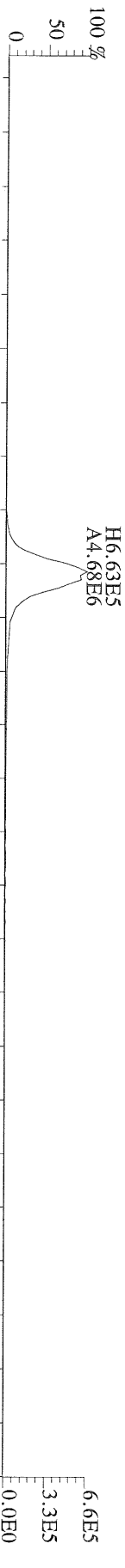
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



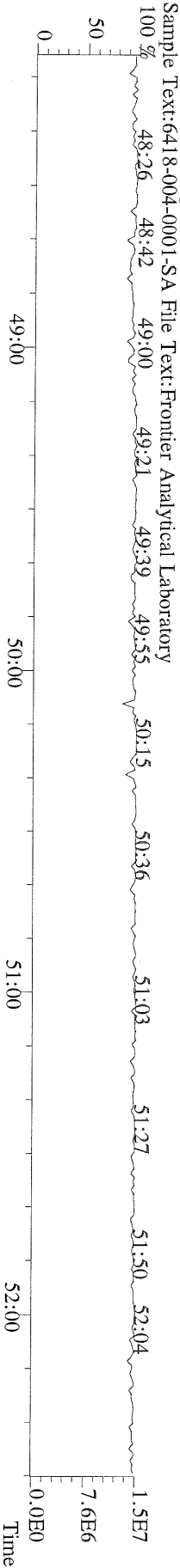
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



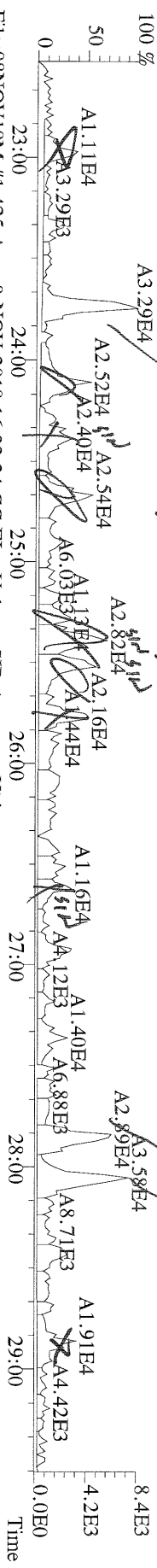
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



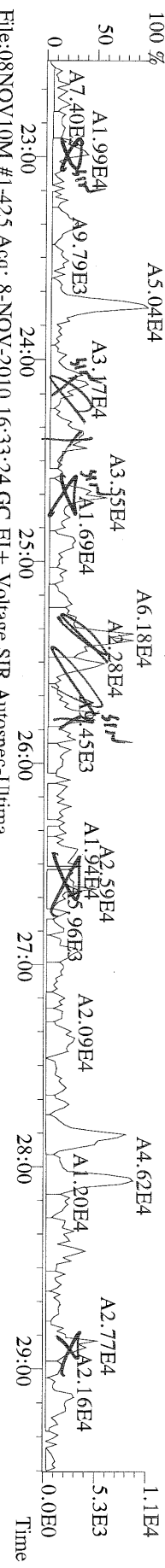
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 454.9728 S:5 F:5 Exp:OCDD



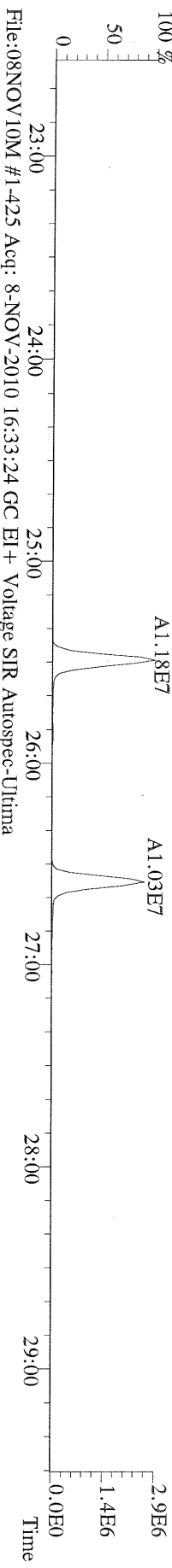
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



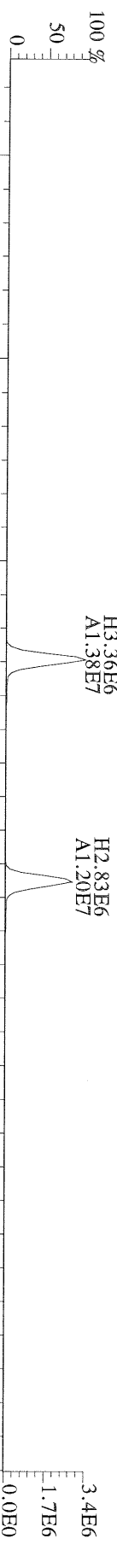
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



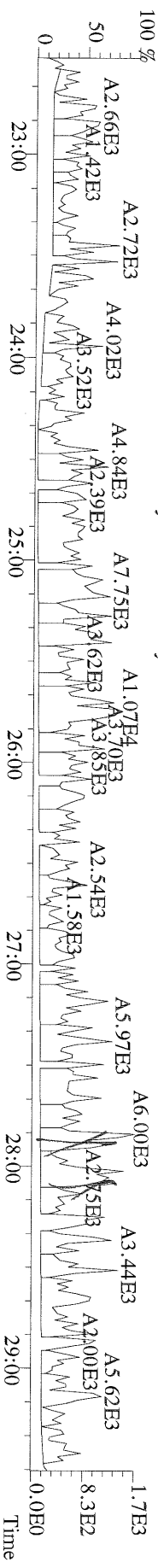
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



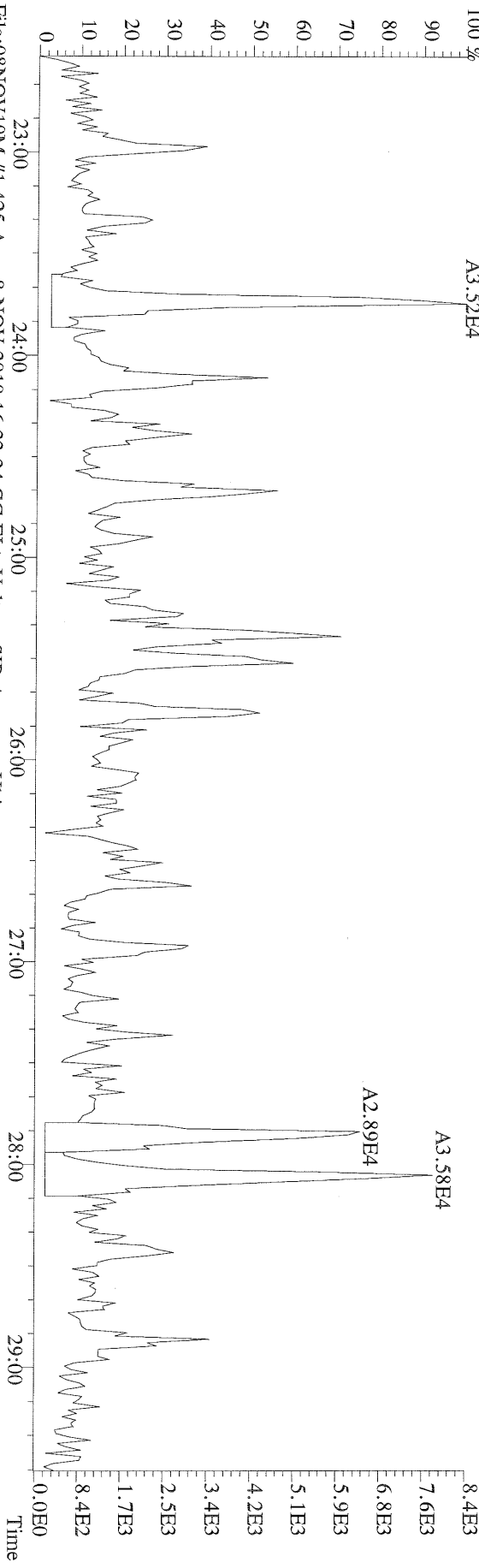
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



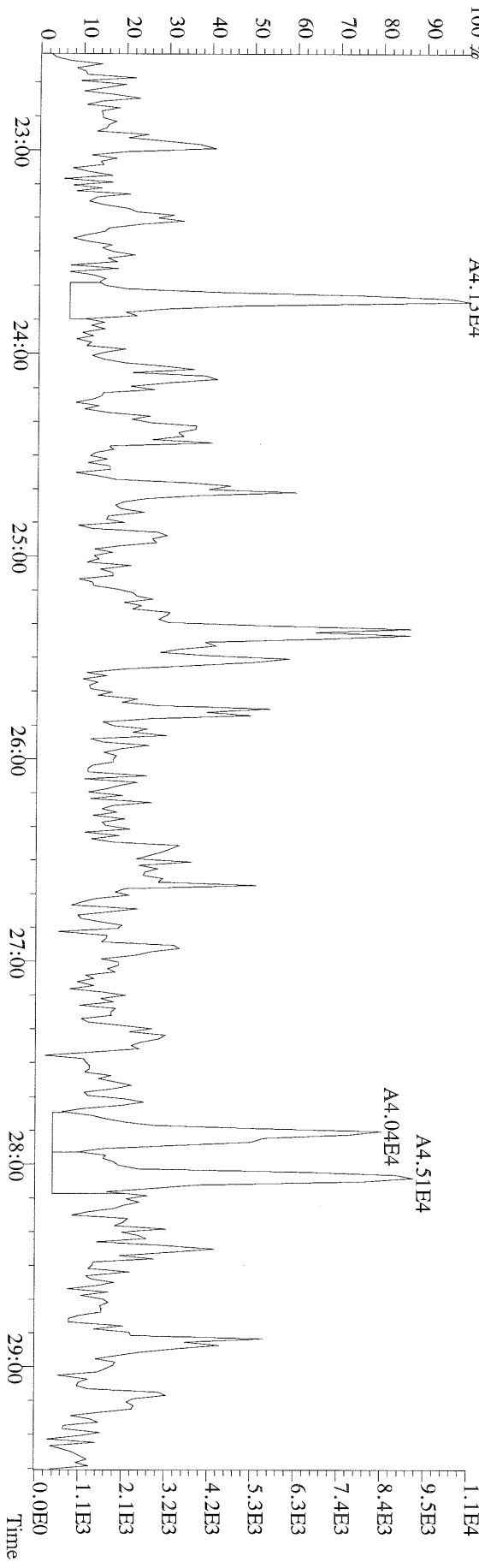
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



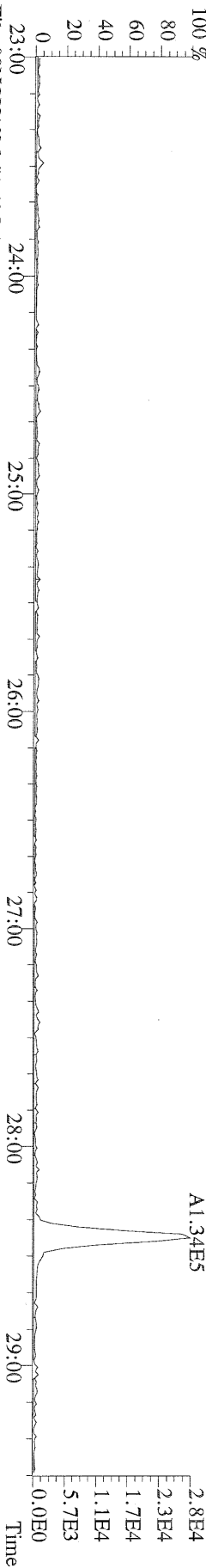
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
303.9016 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A3.52E4



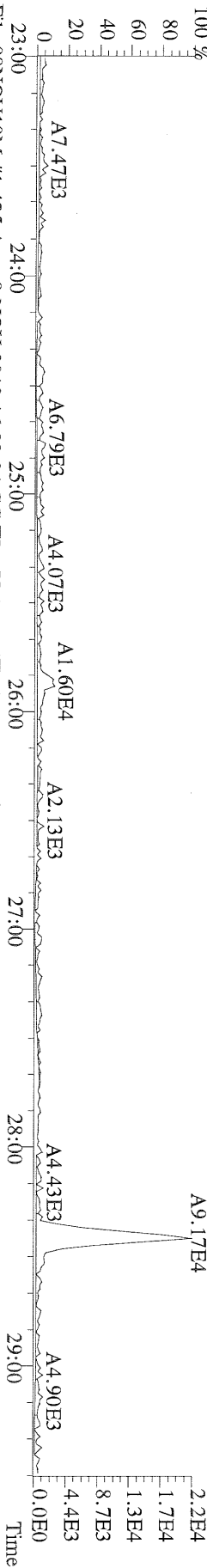
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
305.8987 S:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A4.13E4



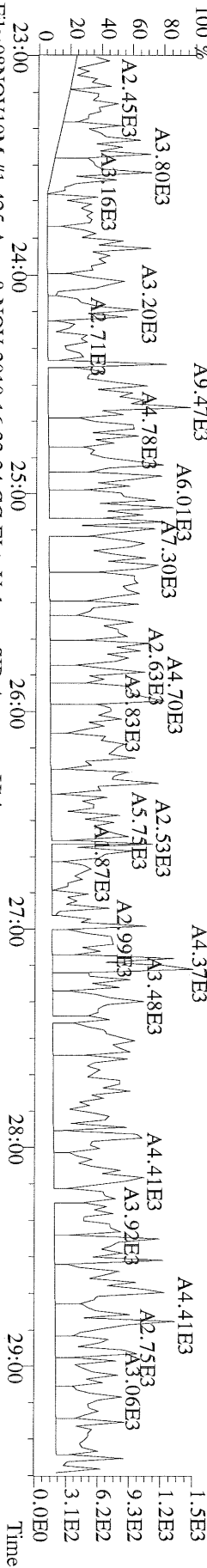
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



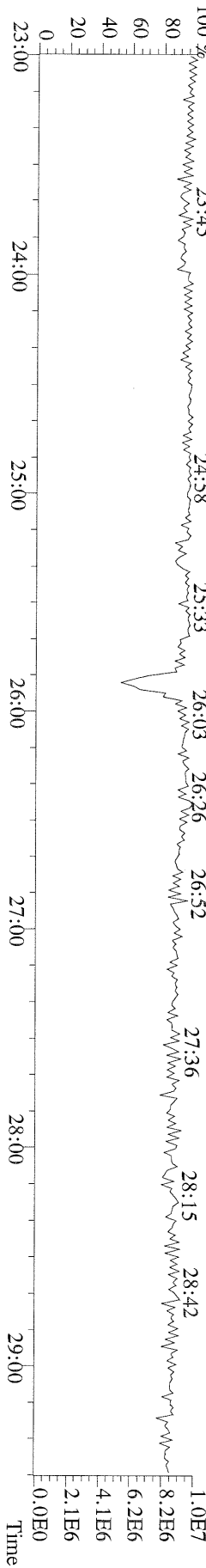
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



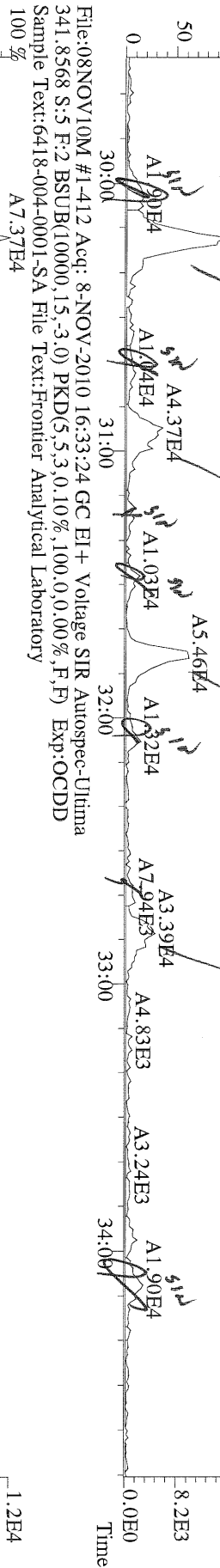
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



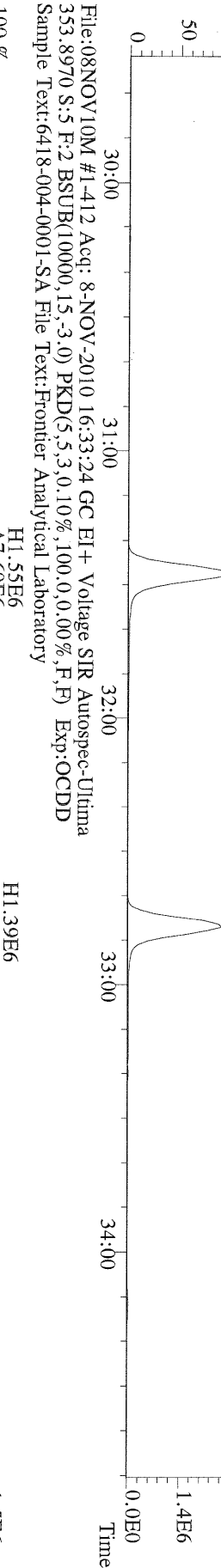
File:08NOV10M #1-425 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:5 Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



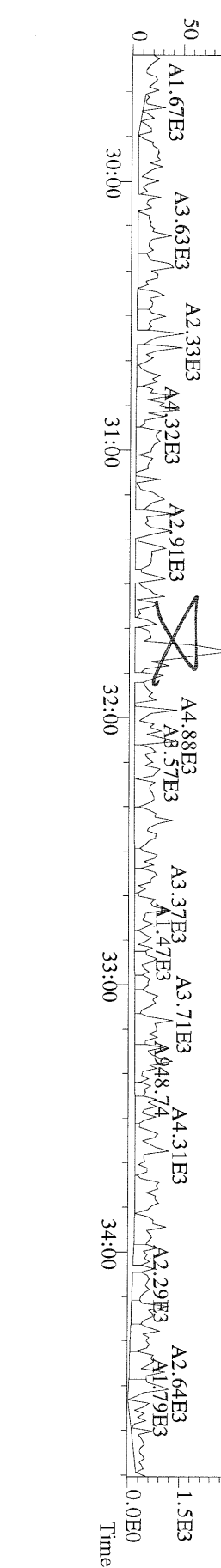
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



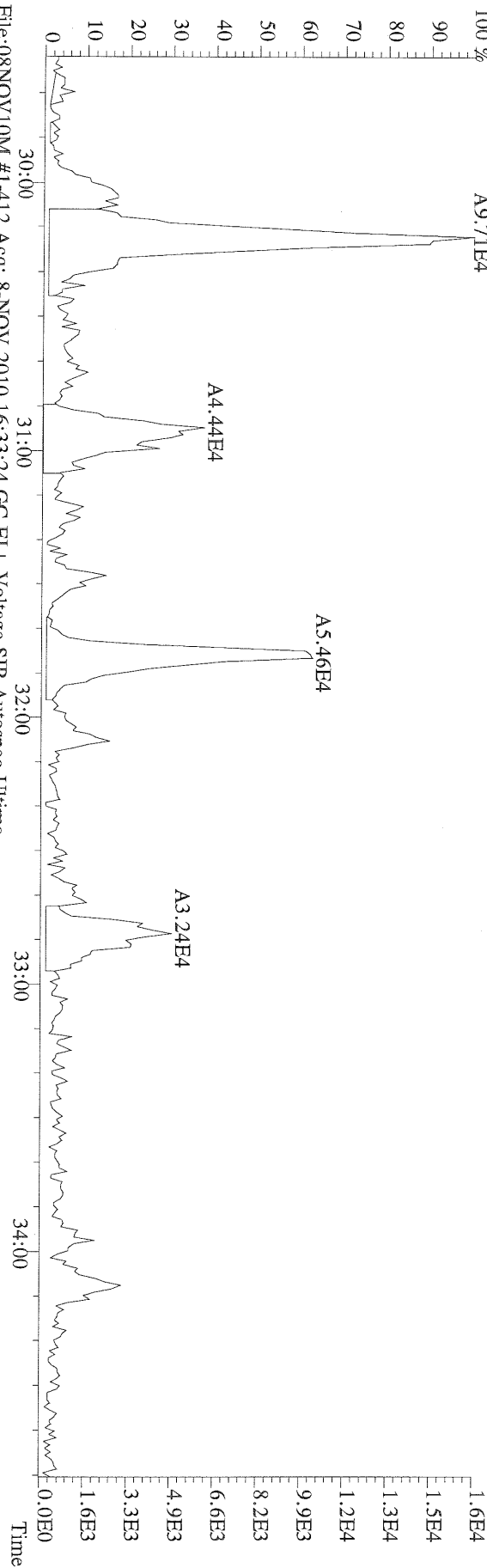
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



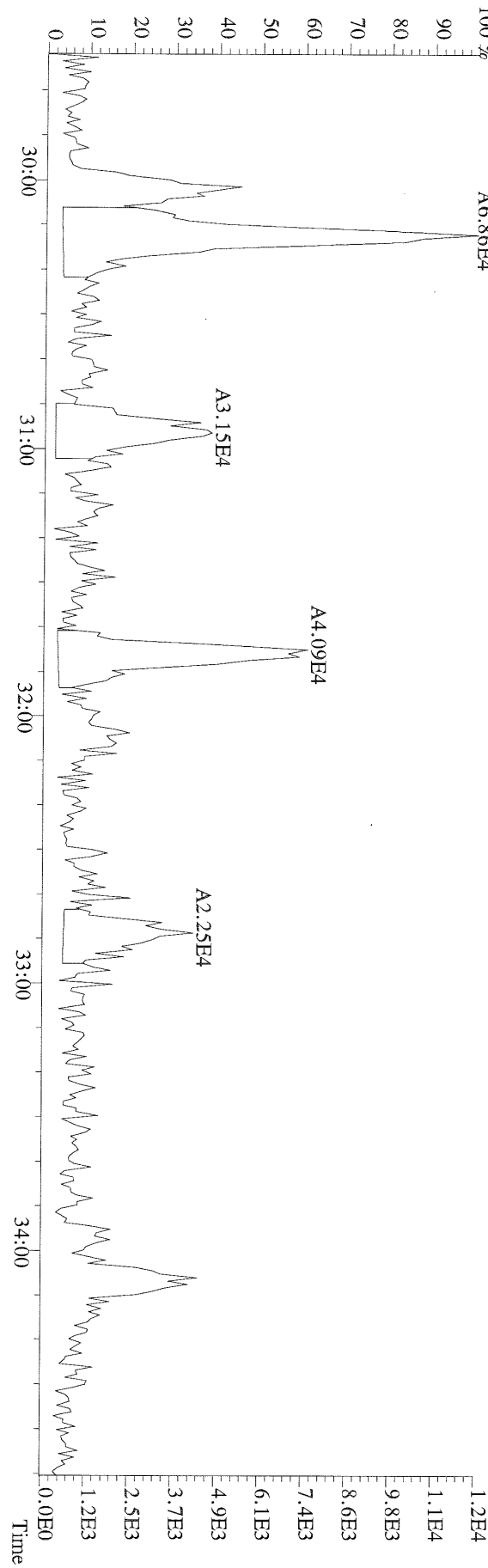
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



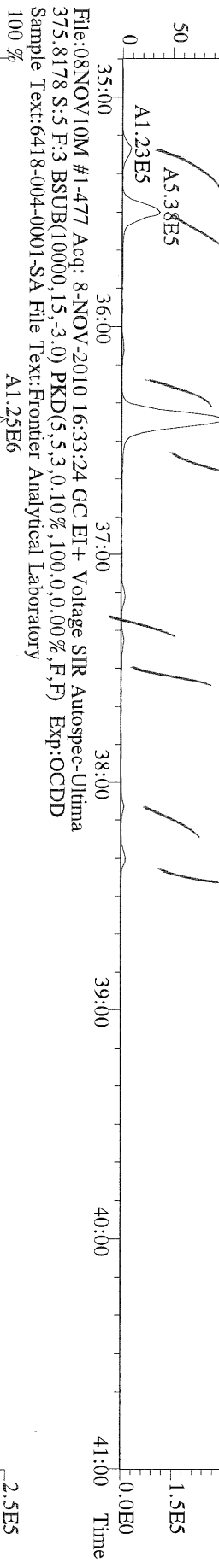
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A9.71E4



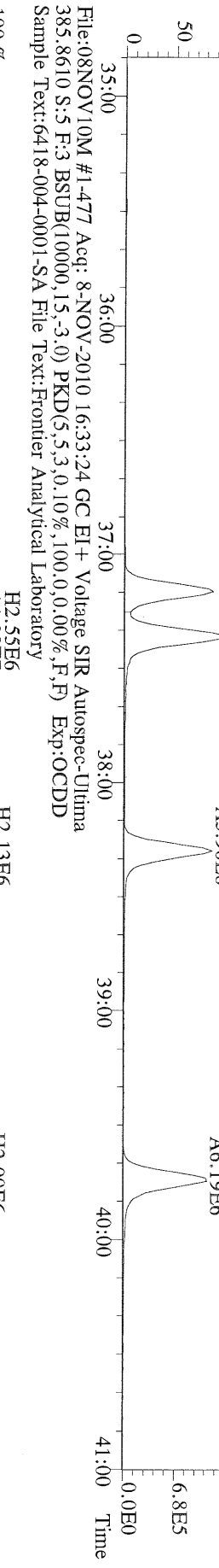
File:08NOV10M #1-412 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A6.86E4



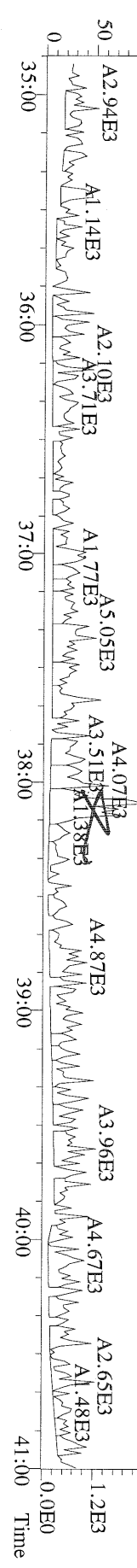
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



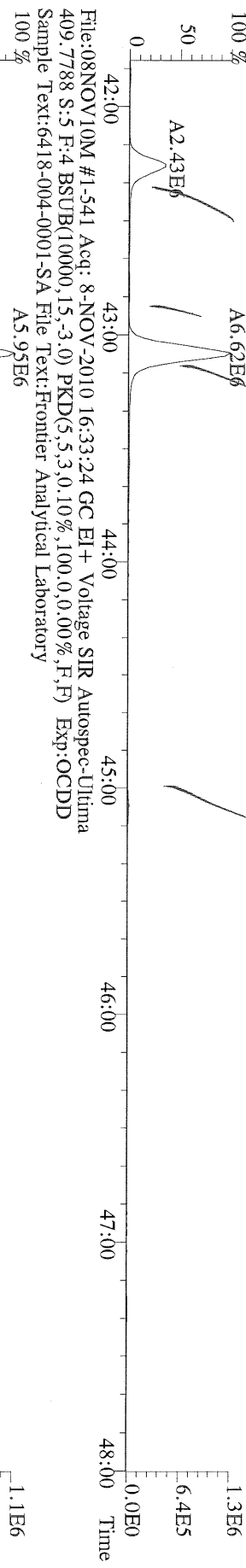
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



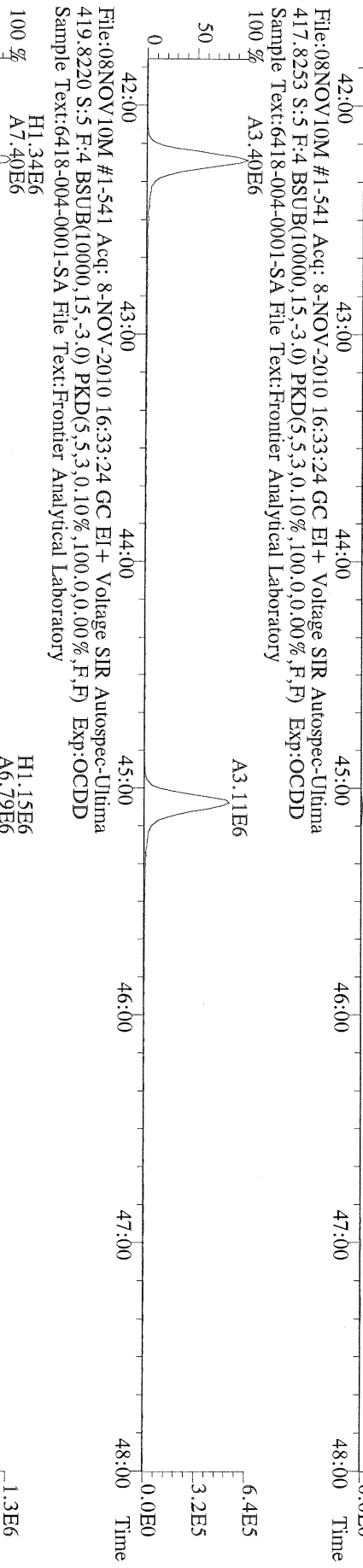
File:08NOV10M #1-477 Acq: 8-NOV-2010 16:33:24 GC EI + Voltage SIR Autospec-Utima
 445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



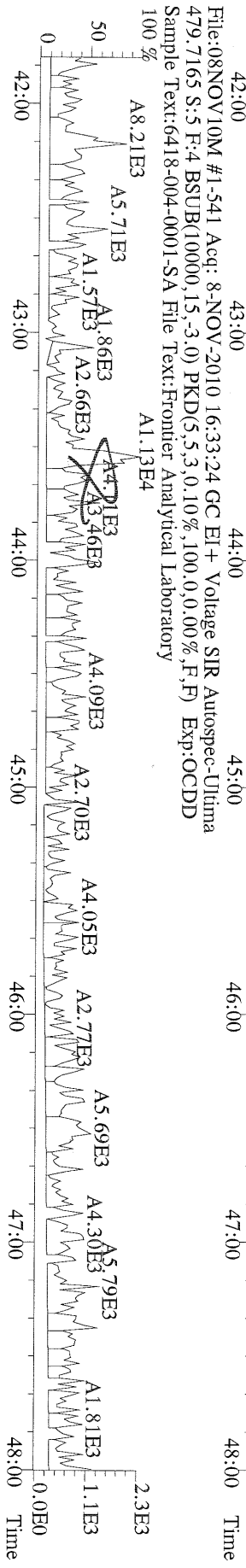
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



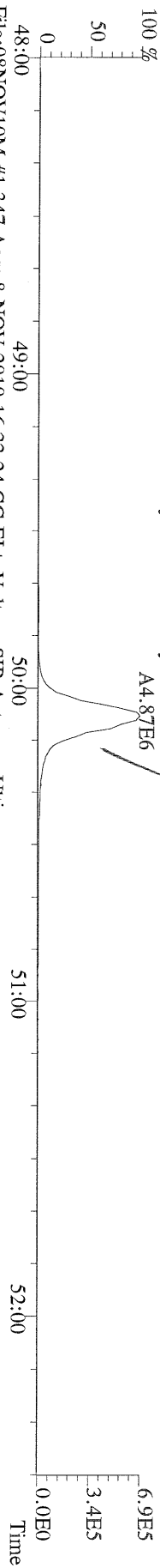
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



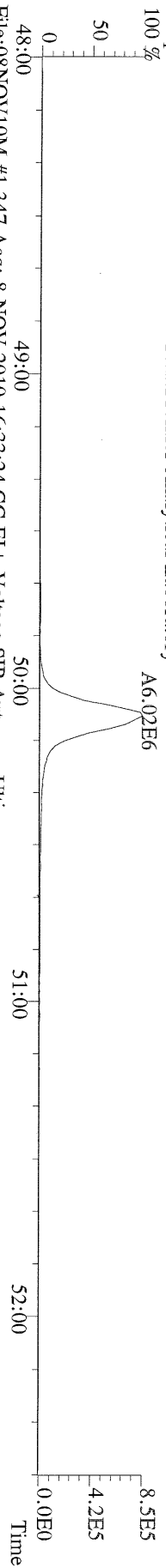
File:08NOV10M #1-541 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Utima
 479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory



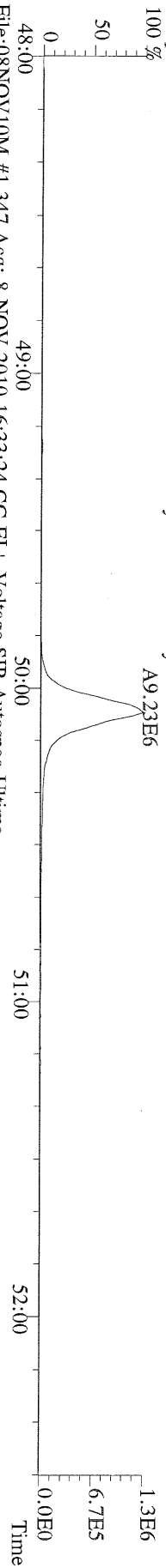
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
 100 %



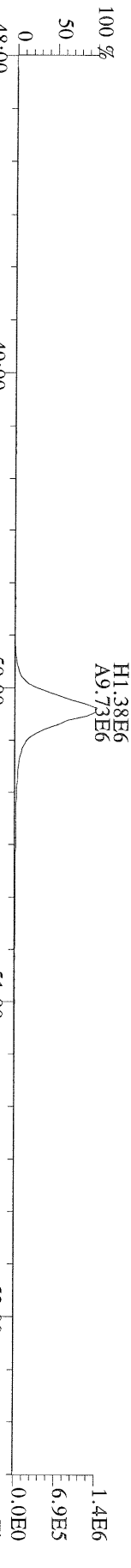
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
 100 %



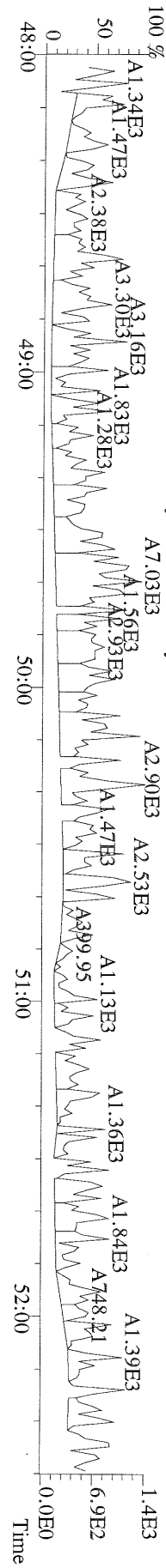
File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-004-0001-SA File Text:Frontier Analytical Laboratory
 100 %



File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 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:6418-004-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 16:33:24 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:6418-004-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	455	624	0.311	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	1010	652	0.658	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	922	517	0.514	
1,2,3,6,7,8-HxCDD	8.08e+04	1.21 y	38:44	1.37	2.58	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	5.55e+04	1.31 y	39:11	1.36	1.57	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.69e+06	1.02 y	44:11	1.45	55.8		2.50	-	-	*	
OCDD	8.49e+06	0.90 y	49:43	1.43	548		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	795	1240	0.233	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	559	552	0.256	
2,3,4,7,8-PeCDF	4.21e+04	1.53 y	32:48	0.94	0.818	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	569	502	0.340	
1,2,3,6,7,8-HxCDF	6.96e+04	1.24 y	37:22	0.82	1.43	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.17e+05	1.29 y	38:20	0.92	2.58	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	569	502	0.341	
1,2,3,4,6,7,8-HpCDF	5.92e+05	1.14 y	42:16	1.39	13.7		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	2.59e+04	1.06 y	45:05	1.36	0.673	J	2.50	-	-	*	
OCDF	1.20e+06	0.79 y	50:06	0.79	63.1		2.50	-	-	*	
13C-2,3,7,8-TCDD	1.30e+07	0.75 y	27:22	1.02	383					96.1	
13C-1,2,3,7,8-PeCDD	1.18e+07	1.72 y	33:11	0.84	421					106	
13C-1,2,3,4,7,8-HxCDD	1.17e+07	1.27 y	38:34	1.07	382					95.9	
13C-1,2,3,6,7,8-HxCDD	9.07e+06	1.28 y	38:44	1.01	314					78.9	
13C-1,2,3,4,6,7,8-HpCDD	8.31e+06	1.09 y	44:08	0.86	341					85.5	
13C-OCDD	8.60e+06	0.90 y	49:42	0.55	553					69.4	
13C-2,3,7,8-TCDF	2.41e+07	0.85 y	26:37	0.99	384					96.4	
13C-1,2,3,7,8-PeCDF	2.32e+07	1.71 y	31:28	0.84	438					110	
13C-2,3,4,7,8-PeCDF	2.19e+07	1.73 y	32:47	0.81	426					107	
13C-1,2,3,4,7,8-HxCDF	1.85e+07	0.55 y	37:10	1.85	350					87.9	
13C-1,2,3,6,7,8-HxCDF	2.37e+07	0.53 y	37:22	2.54	327					82.2	
13C-2,3,4,6,7,8-HxCDF	1.96e+07	0.54 y	38:18	2.01	341					85.7	
13C-1,2,3,7,8,9-HxCDF	2.09e+07	0.54 y	39:44	2.03	360					90.5	
13C-1,2,3,4,6,7,8-HpCDF	1.24e+07	0.47 y	42:14	1.11	391					98.0	
13C-1,2,3,4,7,8,9-HpCDF	1.13e+07	0.47 y	45:04	0.80	493					124	
13C-OCDF	1.93e+07	0.94 y	50:04	1.08	626					78.6	
37Cl-2,3,7,8-TCDD	3.86e+06		27:23	0.69	169					106	
13C-1,2,3,4-TCDD	1.32e+07	0.72 y	26:46	-	5.87						
13C-1,2,3,4-TCDF	2.52e+07	0.88 y	25:31	-	6.93						
13C-1,2,3,7,8,9-HxCDD	1.14e+07	1.28 y	39:10	-	8.20						
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	815	1110	0.556	
Total Penta-Dioxins	5.69e+04		30:15	1.10	1.75	J	2.50	-	-	*	0
Total Hexa-Dioxins	6.78e+05		36:07	1.37	19.3		2.50	-	-	*	5
Total Hepta-Dioxins	3.43e+06		42:47	1.45	113		2.50	-	-	*	2
Total Tetra-Furans	2.15e+06		23:21	1.50	23.7		2.50	-	-	*	9
1st Fn. Tot Penta-Furans	1.22e+06		28:25	0.94	22.9		2.50	-	-	*	PeCDF
Total Penta-Furans	1.92e+06		30:13	0.94	36.2		2.50	-	-	*	59.1
Total Hexa-Furans	1.70e+06		35:13	0.91	36.0		2.50	-	-	*	5
Total Hepta-Furans	1.93e+06		42:16	1.38	46.5		2.50	-	-	*	3

Analyst:

Date: 11/9/10

Totals class: Total Penta-Dioxins Entry #: 39

Run: 10 File: 08NOV10M S: 6 I: 1 F: 2
Acquired: 8-NOV-10 17:28:42

Total Concentration: 1.75 Unnamed Concentration: 1.747

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
30:15	3.52e+04	2.16e+04 1.63 y	5.69e+04	1.75	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 3

Acquired: 8-NOV-10 17:28:42

Total Concentration: 19.3

Unnamed Concentration: 15.193

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:07	1.20e+05	9.49e+04	1.27 y	2.15e+05	6.03	
37:02	2.56e+04	1.90e+04	1.35 y	4.46e+04	1.25	
37:27	1.60e+05	1.22e+05	1.31 y	2.82e+05	7.91	
38:44	4.43e+04	3.65e+04	1.21 y	8.08e+04	2.58	1,2,3,6,7,8-HxCDD
39:11	3.15e+04	2.40e+04	1.31 y	5.55e+04	1.57	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 4

Acquired: 8-NOV-10 17:28:42

Total Concentration: 113

Unnamed Concentration: 57.423

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	9.06e+05	8.34e+05	1.09 y	1.74e+06	57.4	
44:11	8.54e+05	8.38e+05	1.02 y	1.69e+06	55.8	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 1

Acquired: 8-NOV-10 17:28:42

Total Concentration: 23.7

Unnamed Concentration: 23.657

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:21	3.19e+04	3.94e+04	0.81 y	7.14e+04	0.785	
23:45	2.06e+05	2.50e+05	0.83 y	4.56e+05	5.01	
24:23	9.09e+04	1.15e+05	0.79 y	2.06e+05	2.26	
24:41	1.82e+05	2.22e+05	0.82 y	4.03e+05	4.43	
25:25	1.35e+05	1.63e+05	0.82 y	2.98e+05	3.28	
25:47	5.97e+04	7.64e+04	0.78 y	1.36e+05	1.50	
27:52	7.84e+04	9.75e+04	0.80 y	1.76e+05	1.93	
28:04	1.20e+05	1.41e+05	0.85 y	2.61e+05	2.87	
28:26	6.17e+04	8.33e+04	0.74 y	1.45e+05	1.59	

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

Run: 10 File: 08NOV10M S: 6 I: 1 F: 1
Acquired: 8-NOV-10 17:28:42

Total Concentration: 22.9 Unnamed Concentration: 22.938

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:25	7.23e+05	4.95e+05	1.46 y	1.22e+06	22.9	

Totals class: Total Penta-Furans

Entry #: 44

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 2

Acquired: 8-NOV-10 17:28:42

Total Concentration: 36.2

Unnamed Concentration: 35.386

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:13	5.84e+05	4.36e+05	1.34 y	1.02e+06	19.2	
30:55	1.49e+05	1.10e+05	1.35 y	2.58e+05	4.87	
31:46	1.52e+05	1.15e+05	1.32 y	2.67e+05	5.03	
32:48	2.54e+04	1.66e+04	1.53 y	4.21e+04	0.818	2,3,4,7,8-PeCDF
32:52	1.95e+05	1.37e+05	1.42 y	3.33e+05	6.27	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 3

Acquired: 8-NOV-10 17:28:42

Total Concentration: 36.0

Unnamed Concentration: 32.042

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:13	9.13e+04	7.69e+04	1.19 y	1.68e+05	3.56	
35:29	3.42e+05	2.96e+05	1.15 y	6.38e+05	13.5	
36:24	3.81e+05	3.25e+05	1.17 y	7.06e+05	15.0	
37:22	3.85e+04	3.11e+04	1.24 y	6.96e+04	1.43	1,2,3,6,7,8-HxCDF
38:20	6.56e+04	5.10e+04	1.29 y	1.17e+05	2.58	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 10

File: 08NOV10M

S: 6 I: 1 F: 4

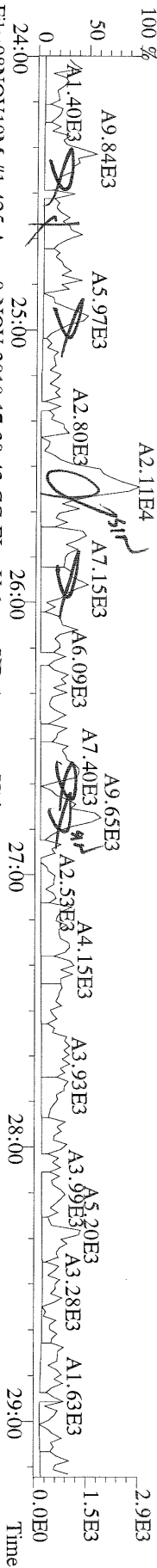
Acquired: 8-NOV-10 17:28:42

Total Concentration: 46.5

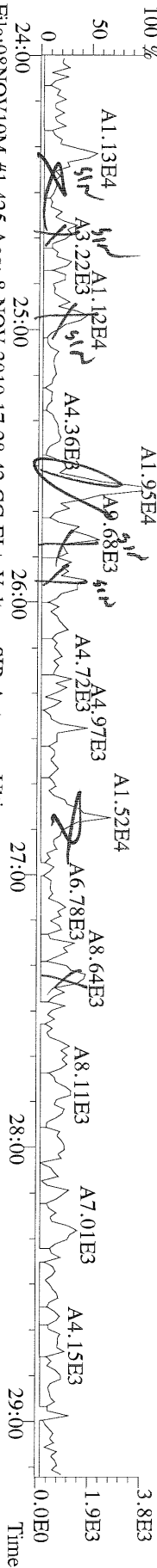
Unnamed Concentration: 32.103

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:16	3.16e+05	2.76e+05	1.14 y	5.92e+05	13.7	1,2,3,4,6,7,8-HpCDF
43:06	6.97e+05	6.13e+05	1.14 y	1.31e+06	32.1	
45:05	1.33e+04	1.26e+04	1.06 y	2.59e+04	0.673	1,2,3,4,7,8,9-HpCDF

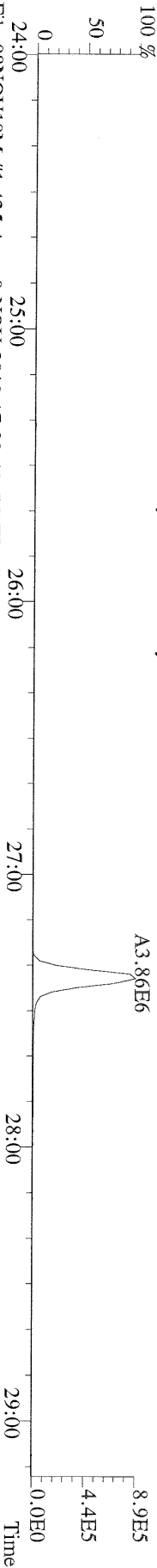
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 319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



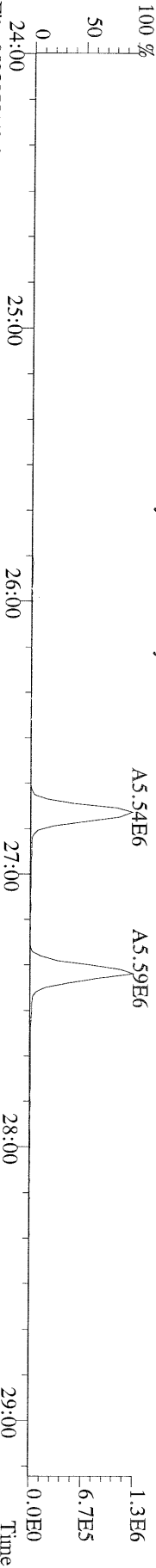
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 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



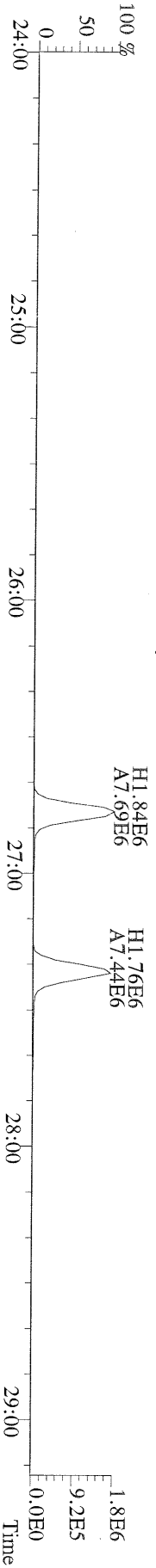
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 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



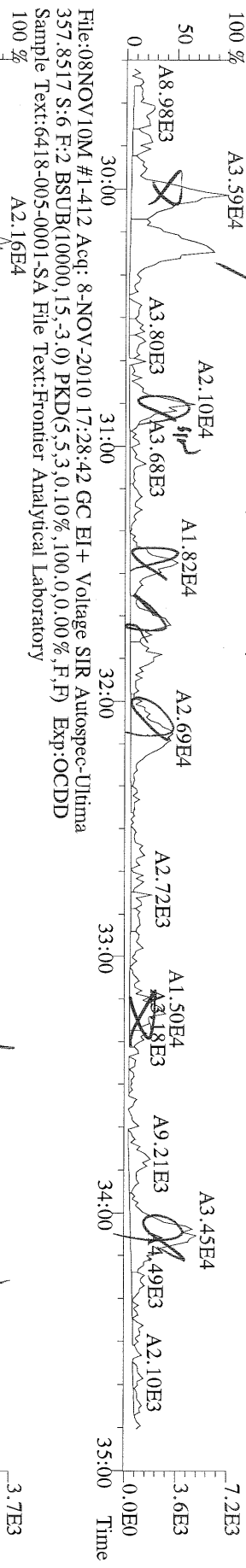
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 331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



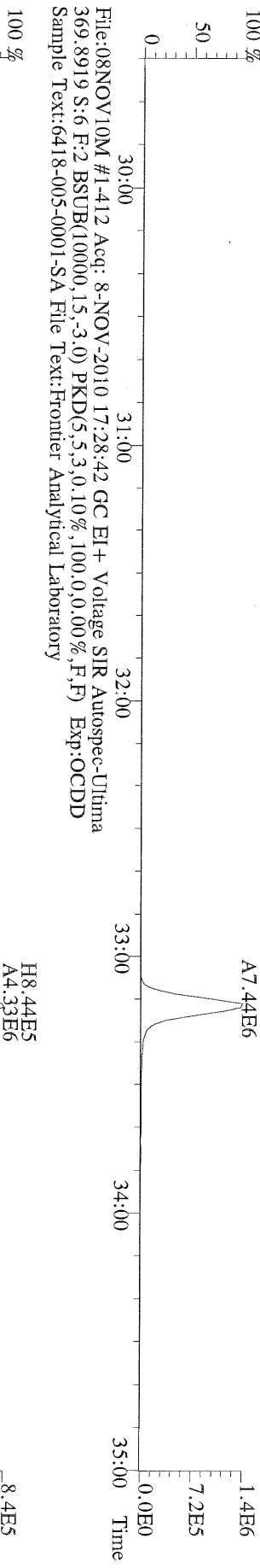
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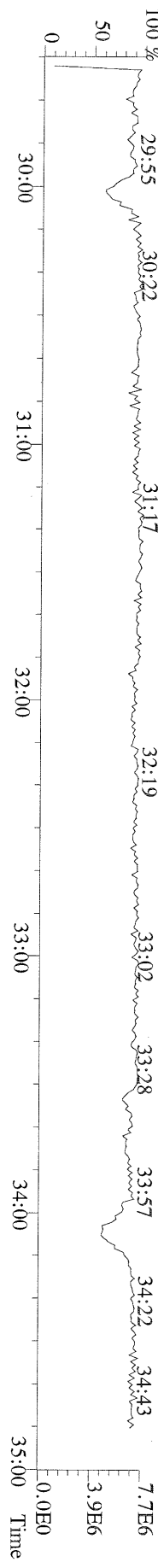
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 355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



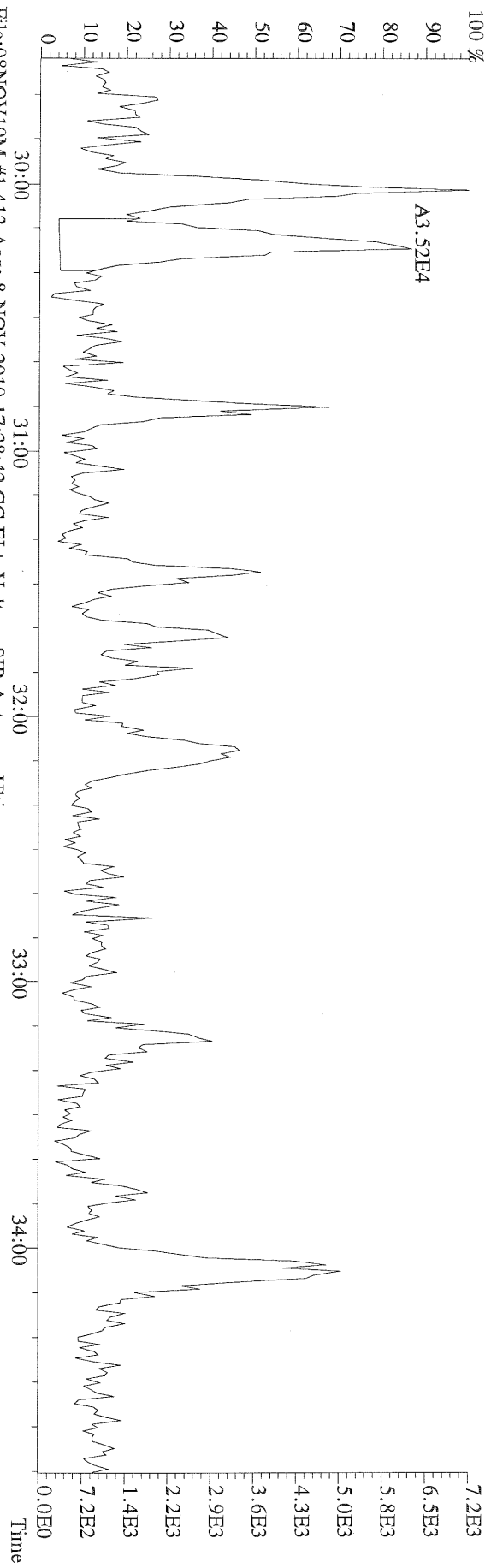
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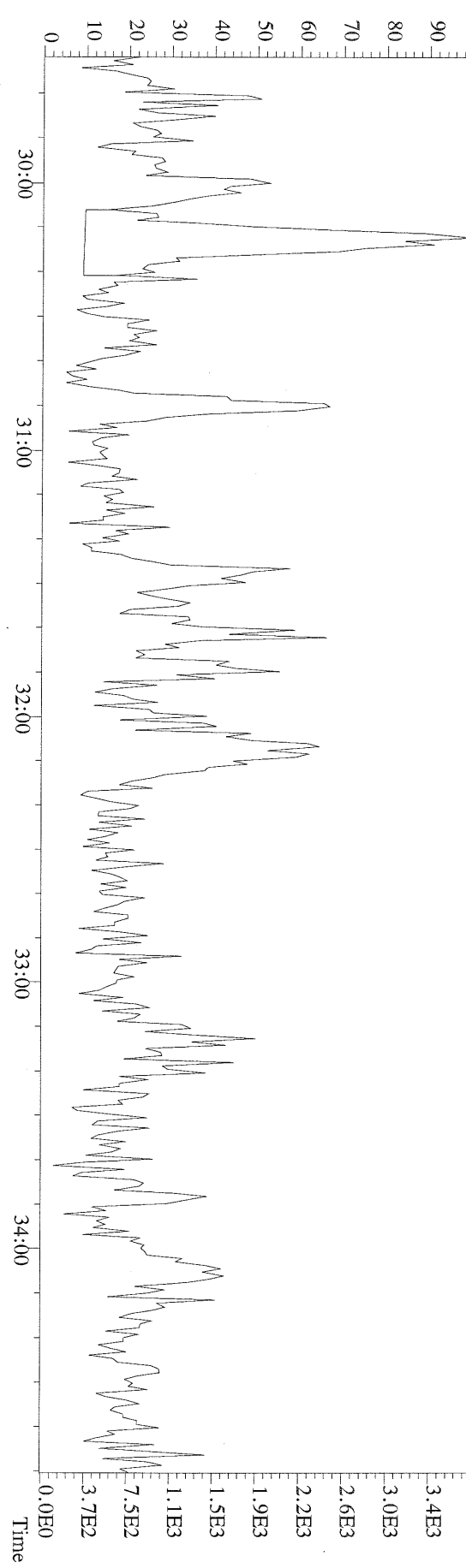
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 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



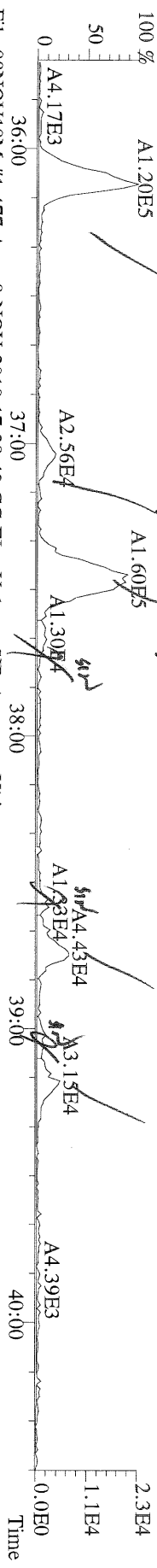
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Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



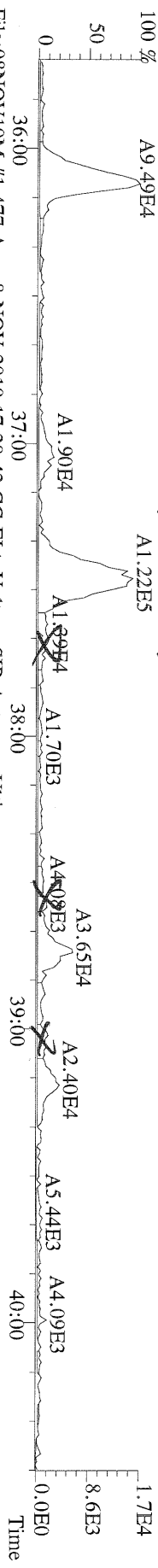
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Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



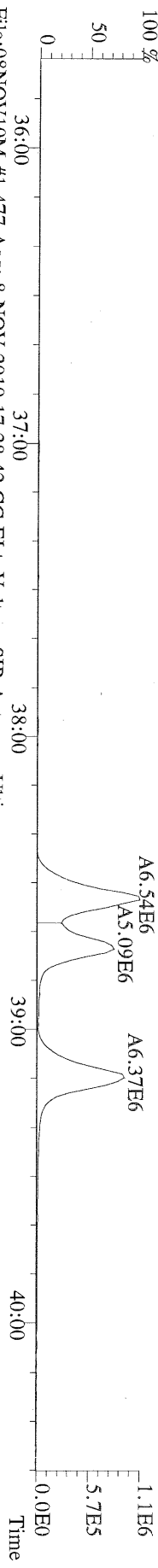
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 389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
 100%



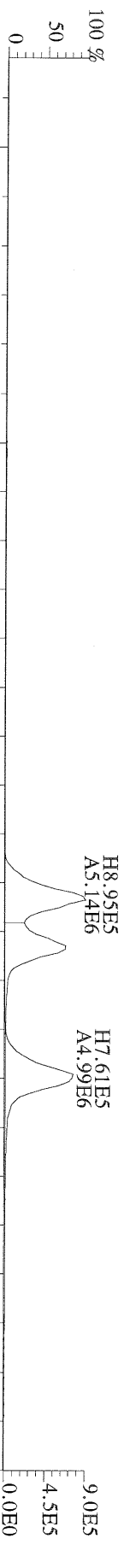
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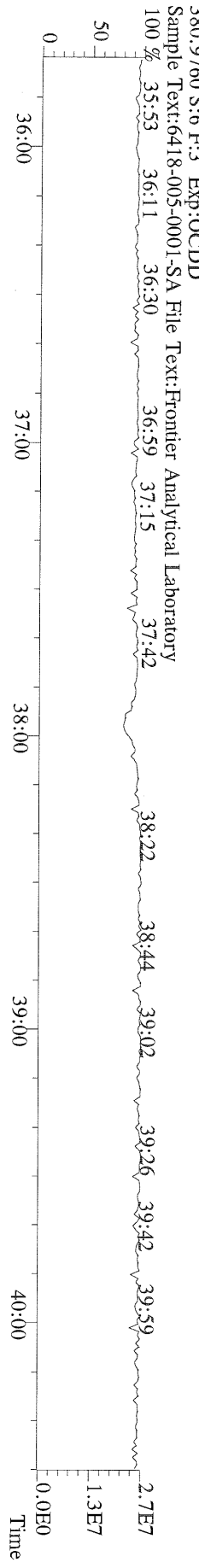
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 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
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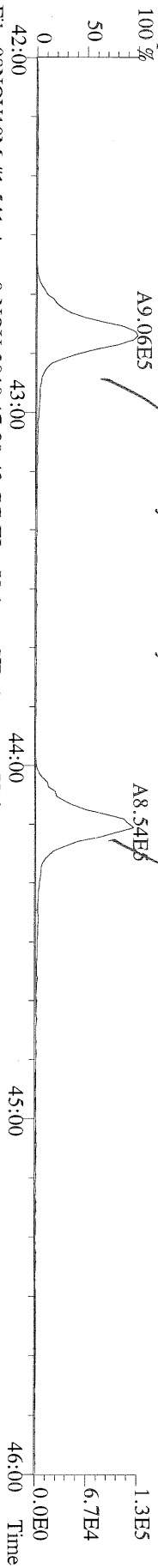
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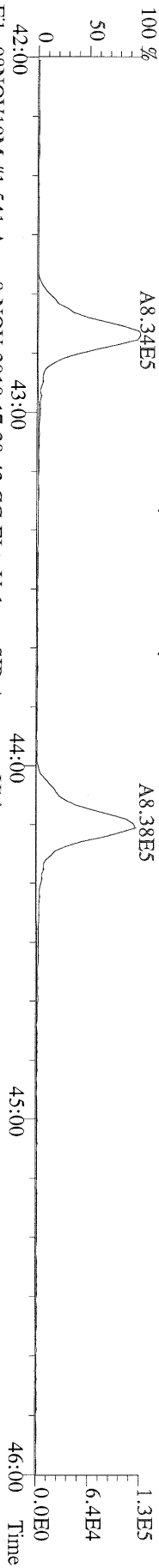
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 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
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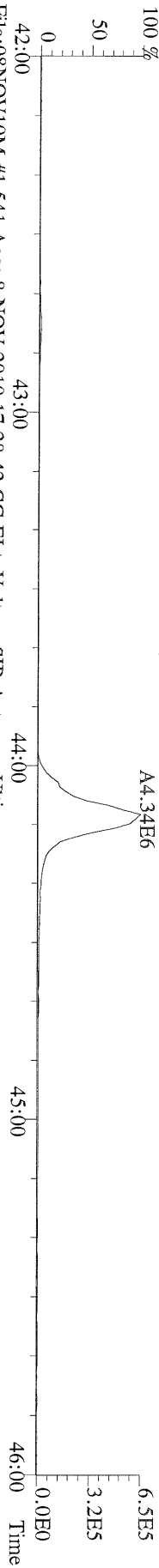
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423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



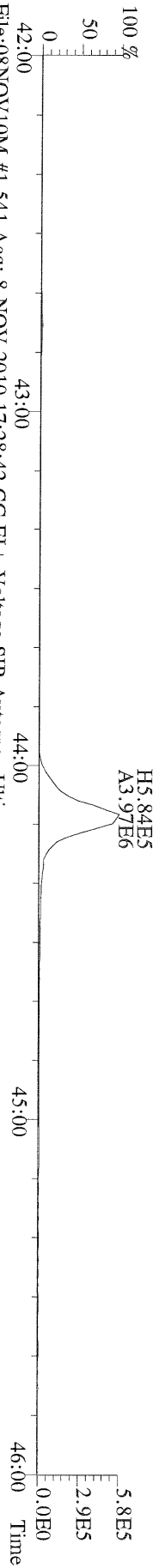
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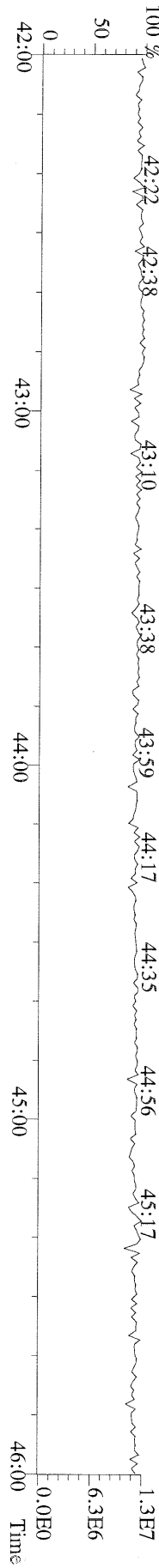
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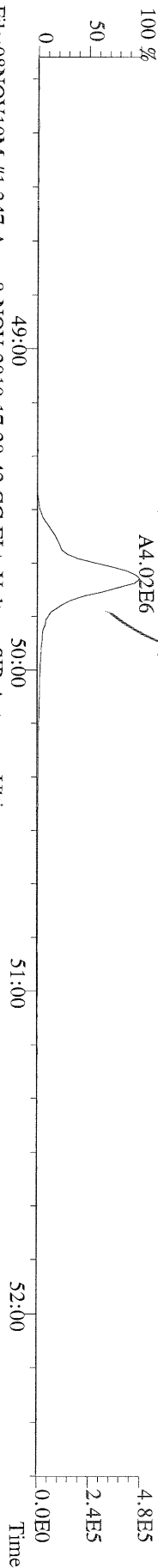
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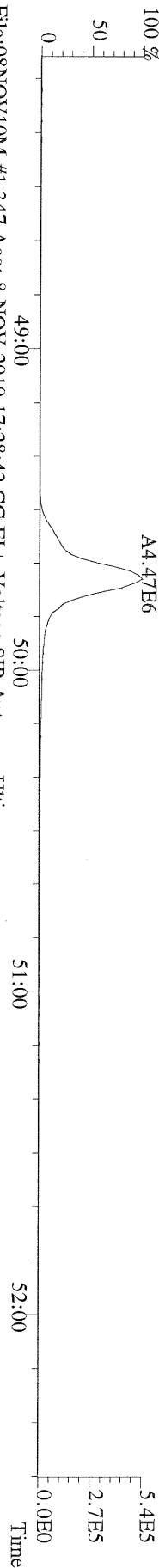
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Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



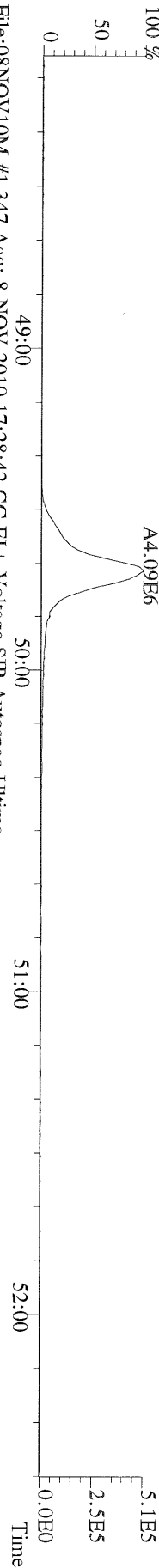
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457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
100 %



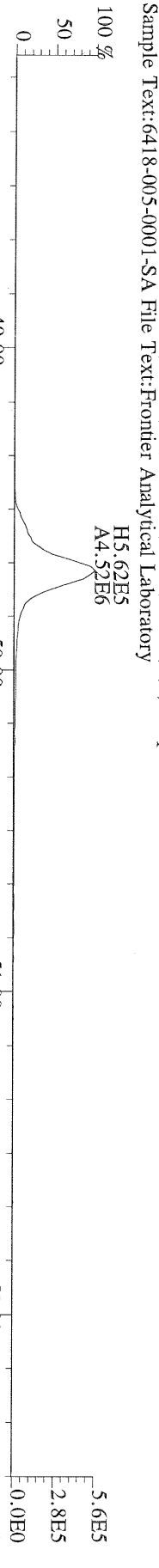
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459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
100 %



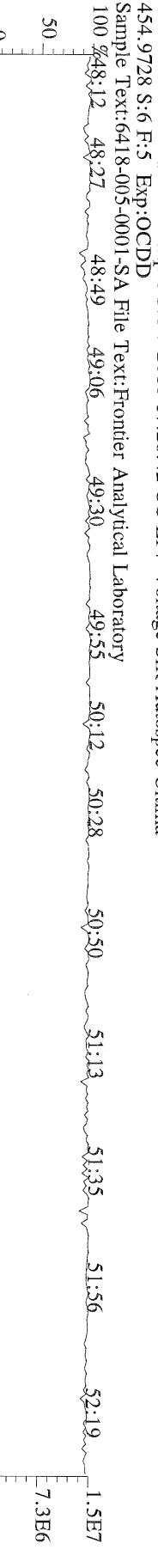
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Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
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Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:6 F:5 Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory

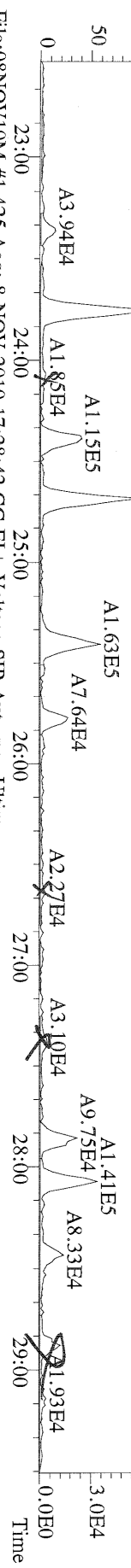


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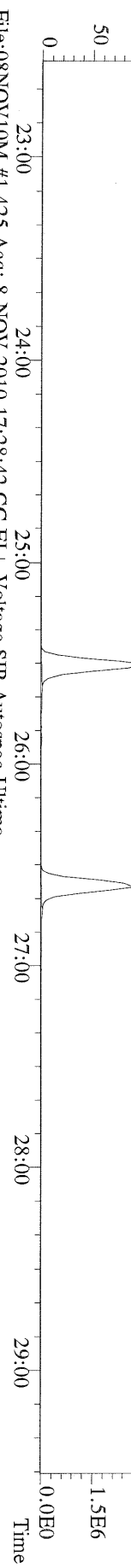
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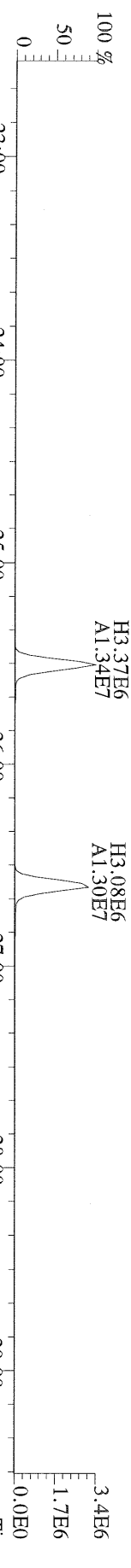
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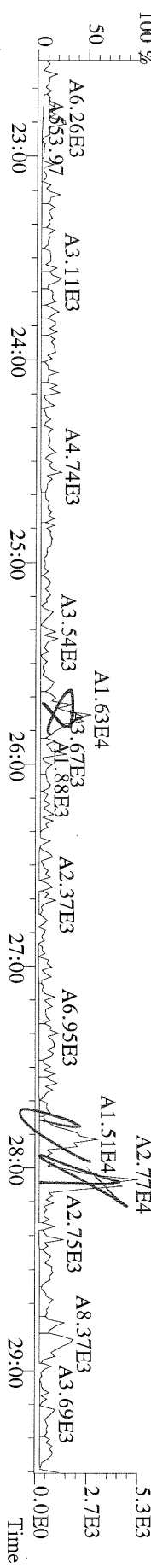
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315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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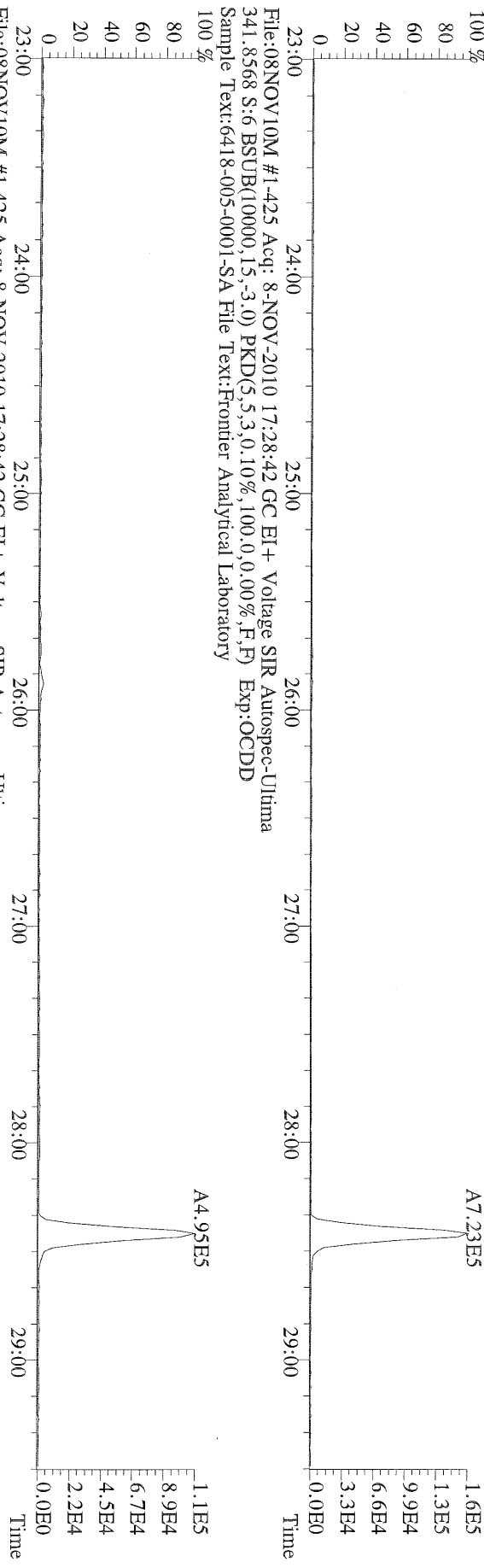
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317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



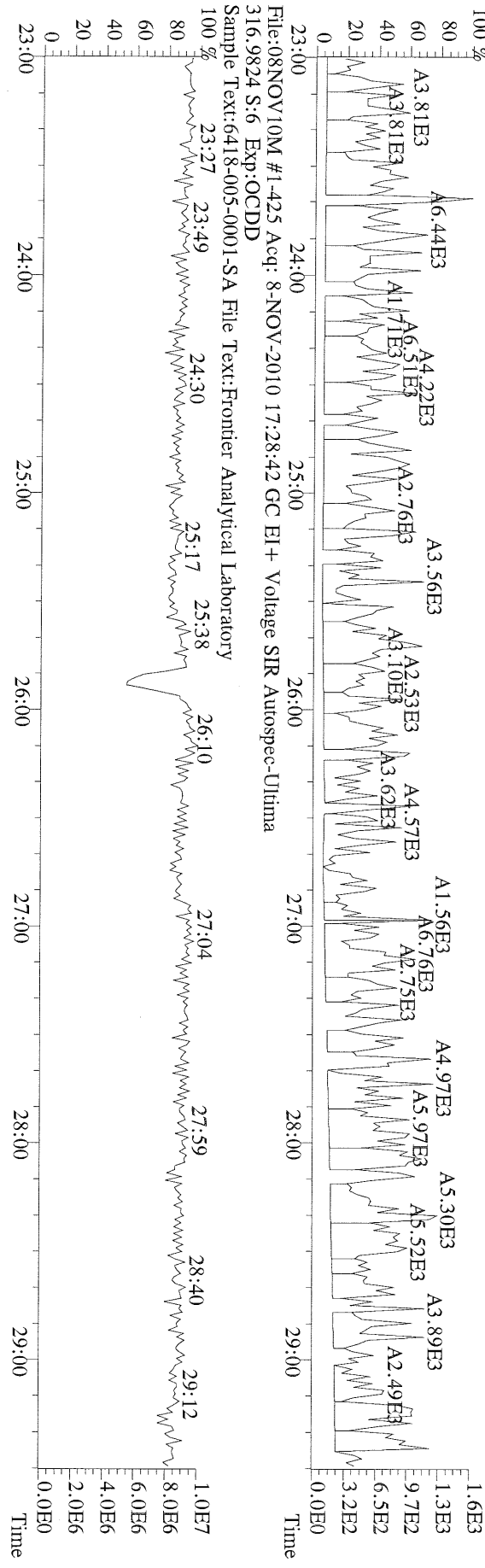
File:08NOV10M #1-425 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-425 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 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:6418-005-0001-SA File Text:Frontier Analytical Laboratory



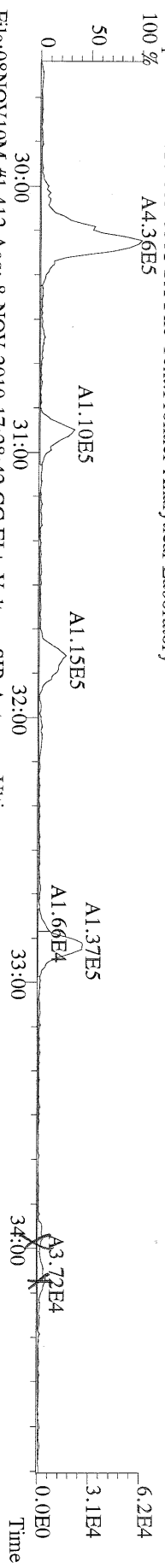
File:08NOV10M #1-425 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 409.7974 S:6 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



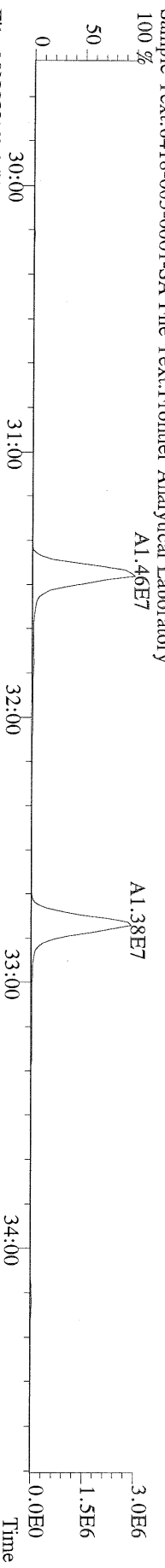
File:08NOV10M #1-412 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



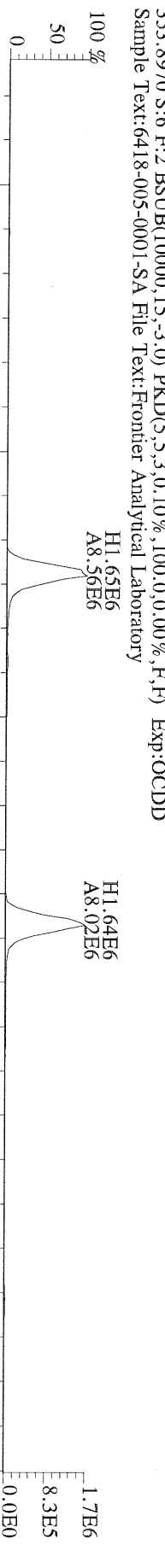
File:08NOV10M #1-412 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



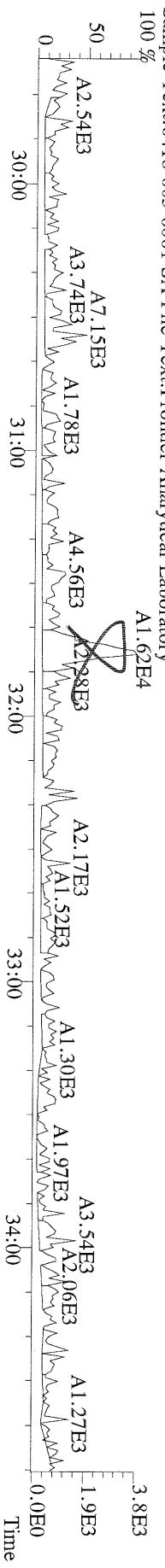
File:08NOV10M #1-412 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



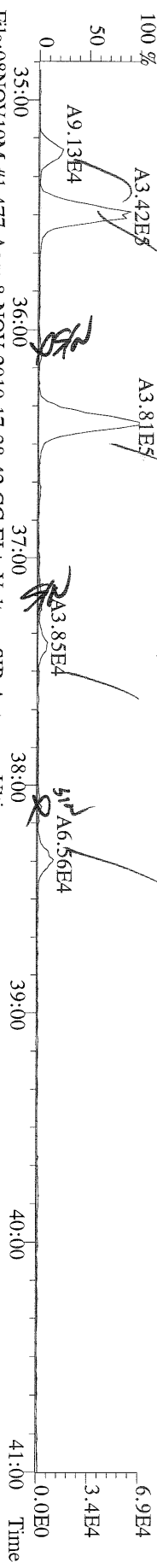
File:08NOV10M #1-412 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



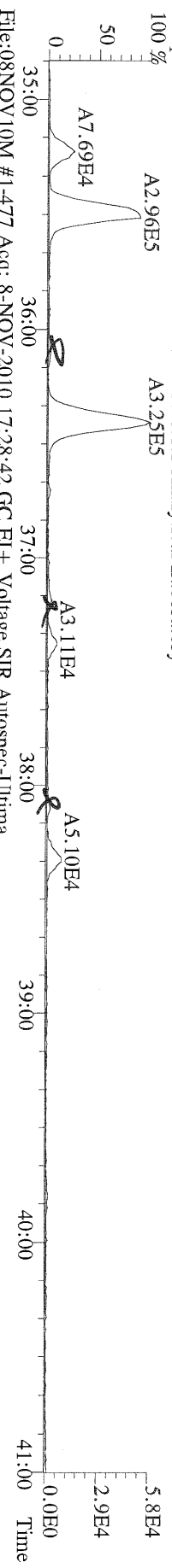
File:08NOV10M #1-412 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



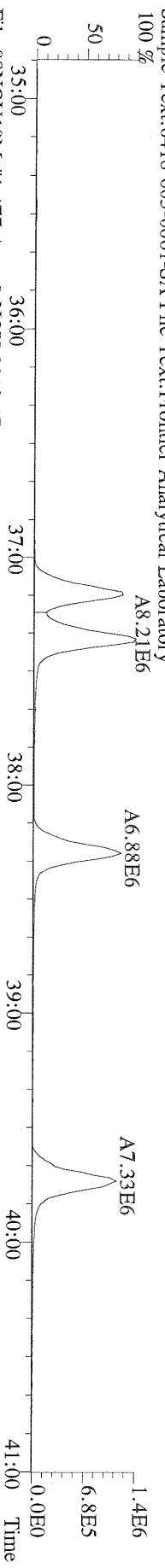
File:08NOV10M #1-477 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



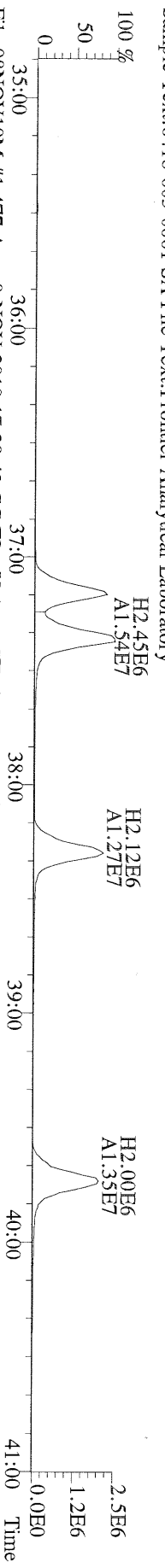
File:08NOV10M #1-477 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



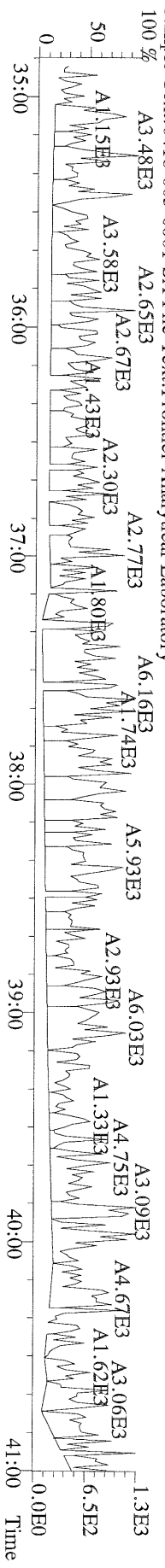
File:08NOV10M #1-477 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



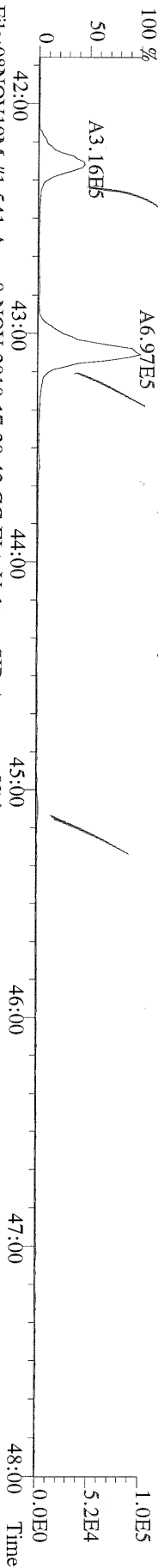
File:08NOV10M #1-477 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



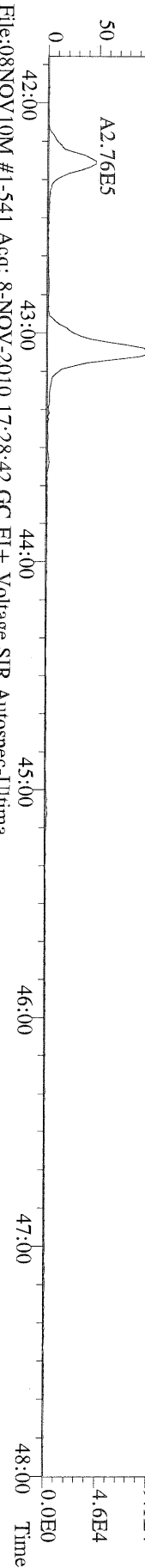
File:08NOV10M #1-477 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



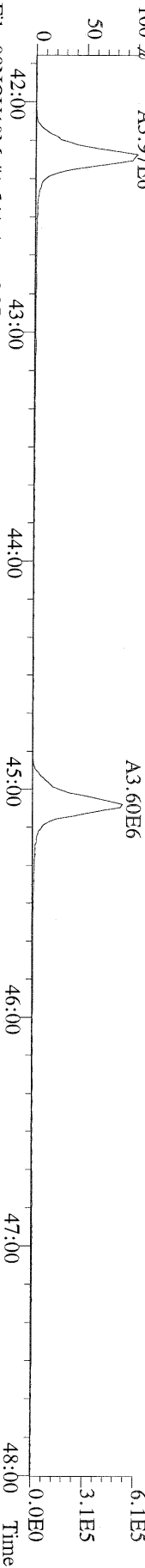
File:08NOV10M #1-541 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



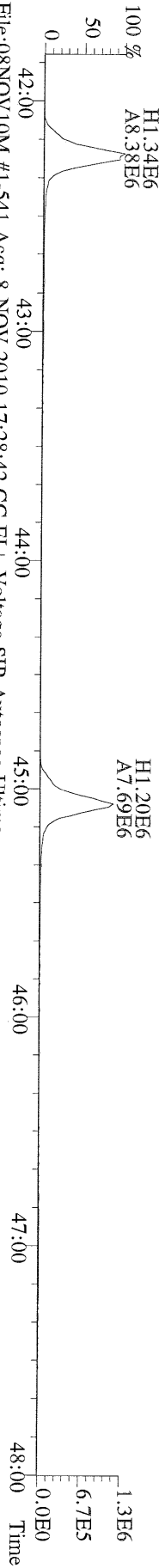
File:08NOV10M #1-541 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



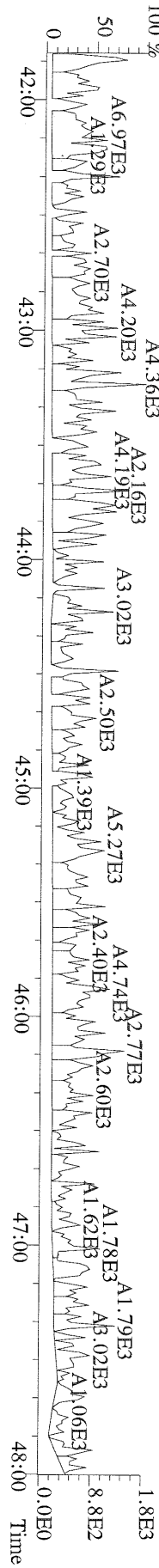
File:08NOV10M #1-541 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



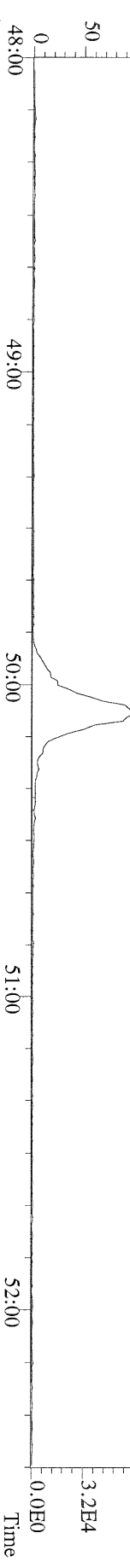
File:08NOV10M #1-541 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



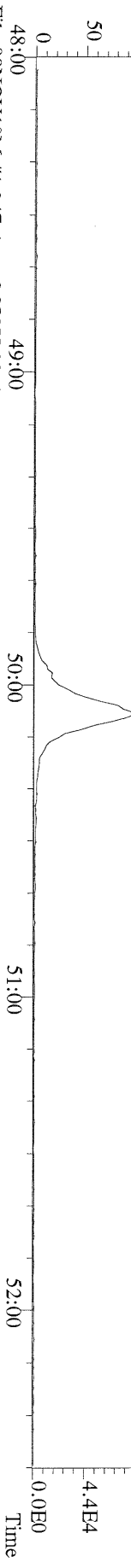
File:08NOV10M #1-541 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
 479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-005-0001-SA File Text:Frontier Analytical Laboratory



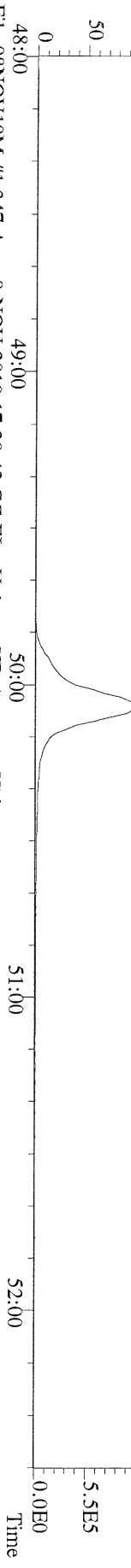
File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
441.7428 S:6 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Fronter Analytical Laboratory
100 %



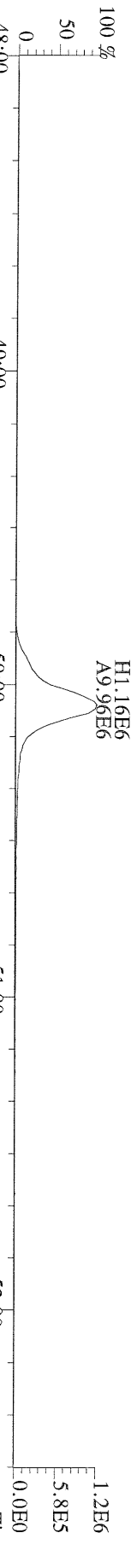
File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
443.7398 S:6 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Fronter Analytical Laboratory
100 %



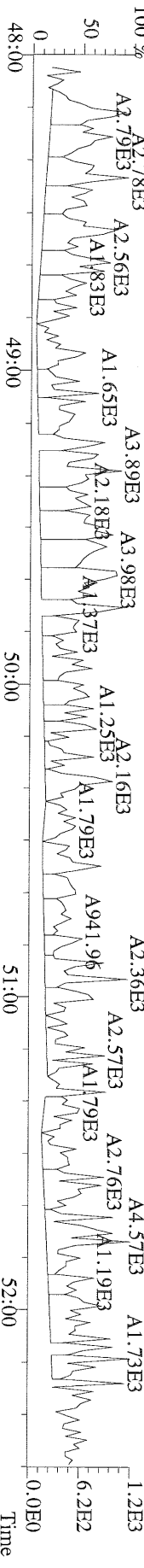
File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
453.7831 S:6 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Fronter Analytical Laboratory
100 %



File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
455.7801 S:6 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-005-0001-SA File Text:Fronter Analytical Laboratory




File:08NOV10M #1-347 Acq: 8-NOV-2010 17:28:42 GC EI+ Voltage SIR Autospec-Utima
513.6775 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:6418-005-0001-SA File Text:Fronter Analytical Laboratory



FAL ID: 6418-006-0001-SA Filename: 08NOV10M Sam:7 Acquired: 8-NOV-10 18:24:01 ICal: PCDDFAL3-8-23-10
 Client ID: PSB14-12-14-072810 ConCal: ST110810M1 EndCal: ST110810M2
 Results: 6418 GC Column: db5 Amount: 5.290 ✓ NATO 1989 Tox: 35.2

WHO 1998 Tox: 30.3 WHO 2005 Tox: 31.1 ✓

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	#Hom
2,3,7,8-TCDD	4.70e+04	0.80 y	27:24	1.11	1.23		2.50	-	-	*	
1,2,3,7,8-PeCDD	1.96e+05	1.60 y	33:13	1.10	5.76		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	3.16e+05	1.19 y	38:34	1.37	7.17		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.30e+06	1.32 y	38:44	1.37	38.6		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	7.46e+05	1.42 y	39:11	1.36	19.4		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	2.71e+07	1.06 y	44:10	1.45	785		2.50	-	-	*	
OCDD	1.40e+08	0.90 y	49:43	1.43	7610		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	920	1330	0.239	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	1370	890	0.442	
2,3,4,7,8-PeCDF	2.64e+05	1.37 y	32:48	0.94	4.88		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	9.21e+05	1.20 y	37:11	0.93	19.7		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	3.00e+05	1.21 y	37:24	0.82	5.86		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	3.65e+05	1.14 y	38:20	0.92	7.73		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	6.36e+04	1.19 y	39:49	1.00	1.13	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	1.01e+07	1.11 y	42:16	1.39	212		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	5.03e+05	1.07 y	45:05	1.36	11.6		2.50	-	-	*	
OCDF	2.15e+07	0.78 y	50:05	0.79	991		2.50	-	-	*	
										Rec	
13C-2,3,7,8-TCDD	1.30e+07	0.73 y	27:22	1.02	311					82.3	
13C-1,2,3,7,8-PeCDD	1.17e+07	1.67 y	33:11	0.84	341					90.2	
13C-1,2,3,4,7,8-HxCDD	1.21e+07	1.28 y	38:33	1.07	342					90.4	
13C-1,2,3,6,7,8-HxCDD	9.27e+06	1.28 y	38:44	1.01	277					73.4	
13C-1,2,3,4,6,7,8-HpCDD	9.00e+06	1.12 y	44:09	0.86	318					84.2	
13C-OCDD	9.72e+06	0.92 y	49:42	0.55	539					71.3	
13C-2,3,7,8-TCDF	2.48e+07	0.86 y	26:36	0.99	337					89.1	
13C-1,2,3,7,8-PeCDF	2.37e+07	1.77 y	31:27	0.84	382					101	
13C-2,3,4,7,8-PeCDF	2.18e+07	1.76 y	32:47	0.81	362					95.8	
13C-1,2,3,4,7,8-HxCDF	1.91e+07	0.55 y	37:10	1.85	312					82.5	
13C-1,2,3,6,7,8-HxCDF	2.36e+07	0.53 y	37:21	2.54	282					74.5	
13C-2,3,4,6,7,8-HxCDF	1.95e+07	0.55 y	38:18	2.01	293					77.4	
13C-1,2,3,7,8,9-HxCDF	2.13e+07	0.54 y	39:45	2.03	318					84.2	
13C-1,2,3,4,6,7,8-HpCDF	1.29e+07	0.47 y	42:14	1.11	353					93.4	
13C-1,2,3,4,7,8,9-HpCDF	1.21e+07	0.46 y	45:04	0.80	455					120	
13C-OCDF	2.09e+07	0.93 y	50:04	1.08	584					77.2	
37Cl-2,3,7,8-TCDD	3.70e+06		27:23	0.69	133					87.6	
13C-1,2,3,4-TCDD	1.54e+07	0.75 y	26:47	-	6.48						
13C-1,2,3,4-TCDF	2.81e+07	0.88 y	25:31	-	7.33						
13C-1,2,3,7,8,9-HxCDD	1.25e+07	1.29 y	39:10	-	8.56						
							Fac	Noise-1	Noise-2	DL	#Hom
Total Tetra-Dioxins	5.50e+05		24:22	1.11	14.4		2.50	-	-	*	6
Total Penta-Dioxins	1.87e+06		30:12	1.10	55.0		2.50	-	-	*	7
Total Hexa-Dioxins	1.07e+07		36:06	1.37	281		2.50	-	-	*	6
Total Hepta-Dioxins	5.95e+07		42:47	1.45	1720		2.50	-	-	*	2
Total Tetra-Furans	1.16e+06		23:00	1.50	11.8		2.50	-	-	*	12
1st Fn. Tot Penta-Furans	1.18e+06		28:26	0.94	20.8		2.50	-	-	*	PeCDF
Total Penta-Furans	1.89e+06		30:04	0.94	33.6		2.50	-	-	*	54.4 ✓
Total Hexa-Furans	1.50e+07		35:14	0.91	301		2.50	-	-	*	10
Total Hepta-Furans	4.06e+07		42:16	1.38	884		2.50	-	-	*	4

Analyst: 

Date: 11/19/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 11 File: 08NOV10M
Acquired: 8-NOV-10 18:24:01

S: 7 I: 1 F: 1

Total Concentration: 14.4

Unnamed Concentration: 13.202

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:22	4.24e+04	5.64e+04	0.75 y	9.87e+04	2.59	
24:39	6.18e+04	8.05e+04	0.77 y	1.42e+05	3.73	
25:35	1.37e+04	1.63e+04	0.84 y	3.00e+04	0.787	
25:55	4.72e+04	6.14e+04	0.77 y	1.09e+05	2.85	
26:48	5.41e+04	6.97e+04	0.78 y	1.24e+05	3.25	
27:24	2.09e+04	2.61e+04	0.80 y	4.70e+04	1.23	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 11

File: 08NOV10M

S: 7 I: 1 F: 2

Acquired: 8-NOV-10 18:24:01

Total Concentration: 55.0

Unnamed Concentration: 49.225

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:12	6.39e+05	3.64e+05	1.76 y	1.00e+06	29.4	
30:51	4.34e+04	3.01e+04	1.44 y	7.36e+04	2.16	
31:28	6.13e+04	3.64e+04	1.69 y	9.77e+04	2.87	
31:41	2.01e+05	1.18e+05	1.70 y	3.19e+05	9.36	
31:50	5.73e+04	3.77e+04	1.52 y	9.50e+04	2.79	
32:07	5.42e+04	3.54e+04	1.53 y	8.97e+04	2.63	
33:13	1.21e+05	7.53e+04	1.60 y	1.96e+05	5.76	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 11 File: 08NOV10M
Acquired: 8-NOV-10 18:24:01

S: 7 I: 1 F: 3

Total Concentration: 281

Unnamed Concentration: 216.237

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:06	2.52e+06	1.88e+06	1.34 y	4.39e+06	113	
37:03	2.17e+05	1.64e+05	1.32 y	3.81e+05	9.84	
37:28	2.04e+06	1.56e+06	1.30 y	3.60e+06	93.0	
38:34	1.71e+05	1.44e+05	1.19 y	3.16e+05	7.17	1,2,3,4,7,8-HxCDD
38:44	7.38e+05	5.59e+05	1.32 y	1.30e+06	38.6	1,2,3,6,7,8-HxCDD
39:11	4.38e+05	3.08e+05	1.42 y	7.46e+05	19.4	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 11

File: 08NOV10M

S: 7 I: 1 F: 4

Acquired: 8-NOV-10 18:24:01

Total Concentration: 1720

Unnamed Concentration: 935.952

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	1.67e+07	1.57e+07	1.06 y	3.23e+07	936	
44:10	1.39e+07	1.32e+07	1.06 y	2.71e+07	785	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 11 File: 08NOV10M
Acquired: 8-NOV-10 18:24:01

S: 7 I: 1 F: 1

Total Concentration: 11.8

Unnamed Concentration: 11.762

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:00	2.80e+04	3.64e+04	0.77 y	6.44e+04	0.652	
23:22	3.74e+04	4.56e+04	0.82 y	8.30e+04	0.841	
23:46	1.29e+05	1.48e+05	0.88 y	2.77e+05	2.81	
24:24	3.78e+04	4.61e+04	0.82 y	8.39e+04	0.850	
24:42	4.60e+04	5.38e+04	0.86 y	9.98e+04	1.01	
25:24	6.34e+04	8.62e+04	0.74 y	1.50e+05	1.52	
25:32	4.65e+04	5.34e+04	0.87 y	9.99e+04	1.01	
25:47	1.62e+04	2.10e+04	0.77 y	3.72e+04	0.377	
26:20	2.80e+04	3.37e+04	0.83 y	6.17e+04	0.625	
27:52	2.79e+04	3.32e+04	0.84 y	6.11e+04	0.619	
28:04	2.19e+04	2.58e+04	0.85 y	4.77e+04	0.483	
28:26	4.29e+04	5.26e+04	0.82 y	9.55e+04	0.968	

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

Run: 11 File: 08NOV10M S: 7 I: 1 F: 1
Acquired: 8-NOV-10 18:24:01

Total Concentration: 20.8 Unnamed Concentration: 20.820

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:26	6.95e+05	4.82e+05	1.44 y	1.18e+06	20.8	

Totals class: Total Penta-Furans

Entry #: 44

Run: 11 File: 08NOV10M S: 7 I: 1 F: 2
Acquired: 8-NOV-10 18:24:01

Total Concentration: 33.6

Unnamed Concentration: 28.729

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:04	6.72e+04	4.91e+04	1.37 y	1.16e+05	2.06	
30:13	5.72e+05	3.82e+05	1.50 y	9.54e+05	16.9	
30:56	1.90e+05	1.29e+05	1.48 y	3.19e+05	5.64	
31:47	9.49e+04	7.08e+04	1.34 y	1.66e+05	2.93	
32:48	1.52e+05	1.11e+05	1.37 y	2.64e+05	4.88	2,3,4,7,8-PeCDF
32:51	4.15e+04	2.86e+04	1.45 y	7.01e+04	1.24	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 11 File: 08NOV10M
Acquired: 8-NOV-10 18:24:01

S: 7 I: 1 F: 3

Total Concentration: 301

Unnamed Concentration: 266.324

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	6.37e+05	5.79e+05	1.10 y	1.22e+06	24.2	
35:29	2.10e+06	1.77e+06	1.19 y	3.87e+06	77.0	
36:06	9.39e+04	7.64e+04	1.23 y	1.70e+05	3.39	
36:24	4.33e+06	3.55e+06	1.22 y	7.88e+06	157	
37:11	5.02e+05	4.19e+05	1.20 y	9.21e+05	19.7	1,2,3,4,7,8-HxCDF
37:24	1.64e+05	1.36e+05	1.21 y	3.00e+05	5.86	1,2,3,6,7,8-HxCDF
37:49	3.51e+04	3.21e+04	1.09 y	6.72e+04	1.34	
38:06	9.97e+04	8.36e+04	1.19 y	1.83e+05	3.65	
38:20	1.95e+05	1.70e+05	1.14 y	3.65e+05	7.73	2,3,4,6,7,8-HxCDF
39:49	3.46e+04	2.91e+04	1.19 y	6.36e+04	1.13	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 11

File: 08NOV10M

S: 7 I: 1 F: 4

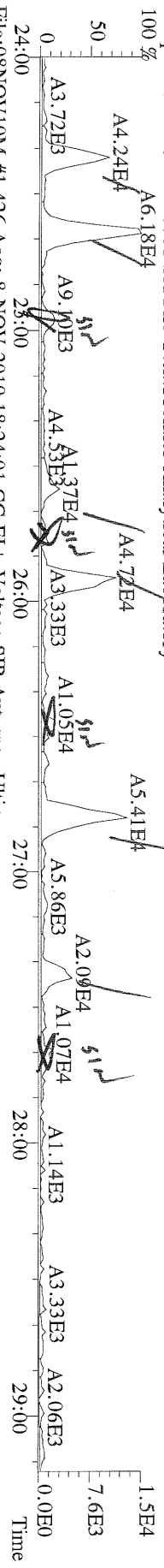
Acquired: 8-NOV-10 18:24:01

Total Concentration: 884

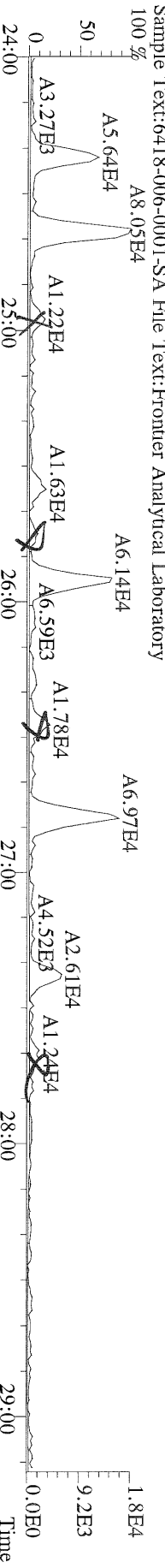
Unnamed Concentration: 659.537

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:16	5.32e+06	4.78e+06	1.11 y	1.01e+07	212	1,2,3,4,6,7,8-HpCDF
42:48	8.21e+04	7.85e+04	1.05 y	1.61e+05	3.53	
43:05	1.55e+07	1.43e+07	1.08 y	2.98e+07	656	
45:05	2.60e+05	2.43e+05	1.07 y	5.03e+05	11.6	1,2,3,4,7,8,9-HpCDF

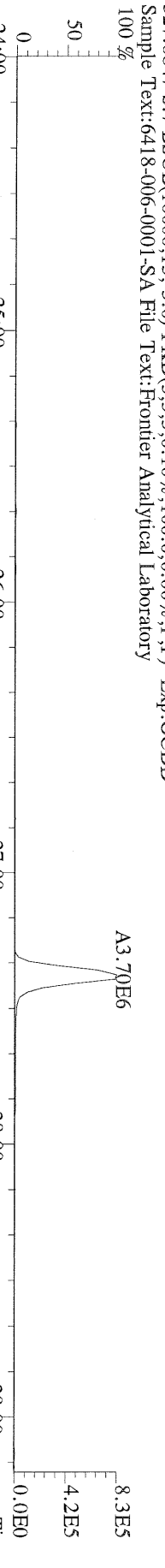
File:08NOV10M #1-426 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



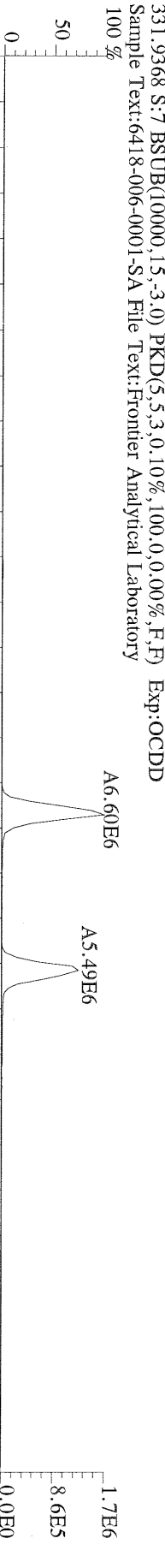
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321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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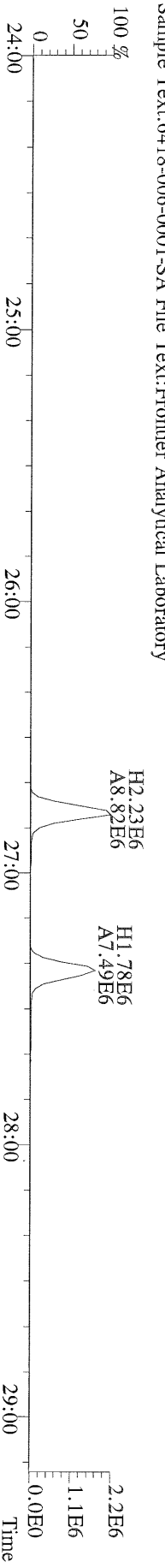
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327.8847 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



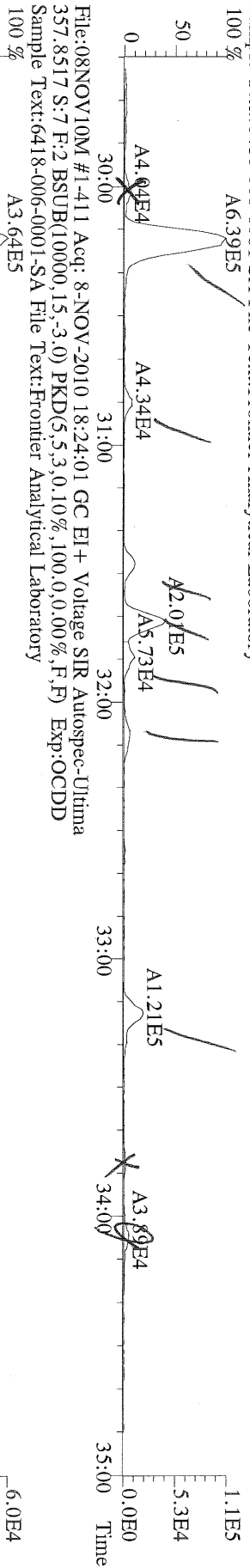
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331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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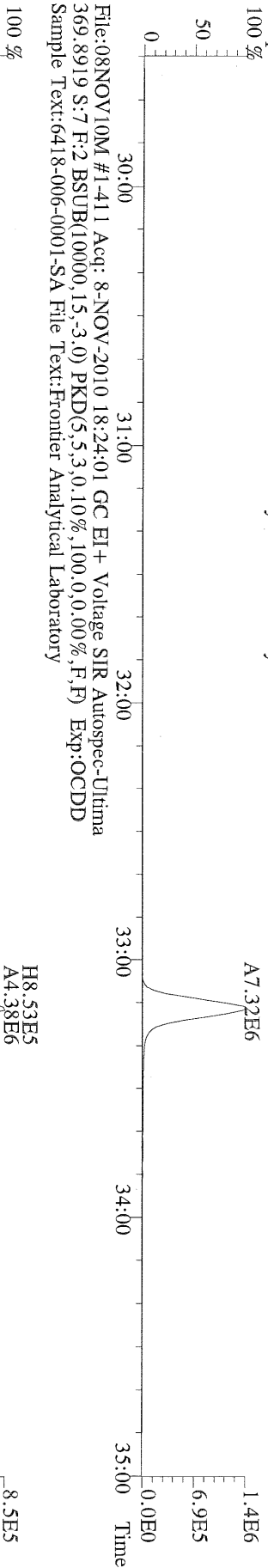
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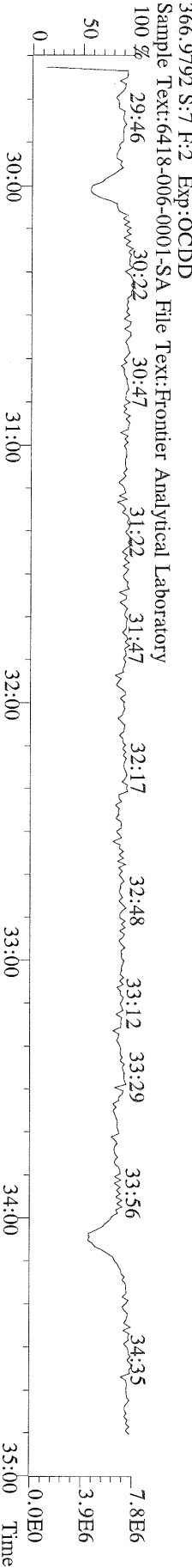
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355.8546 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



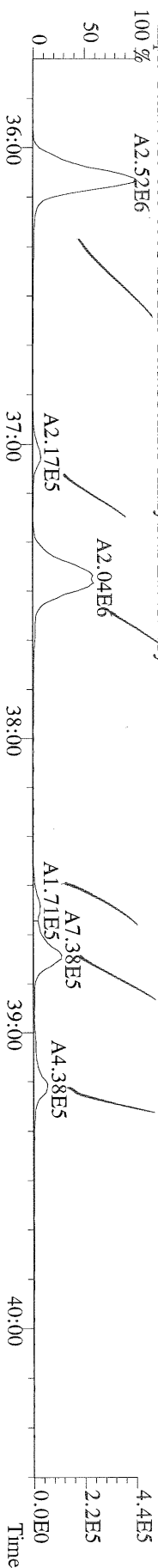
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367.8949 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



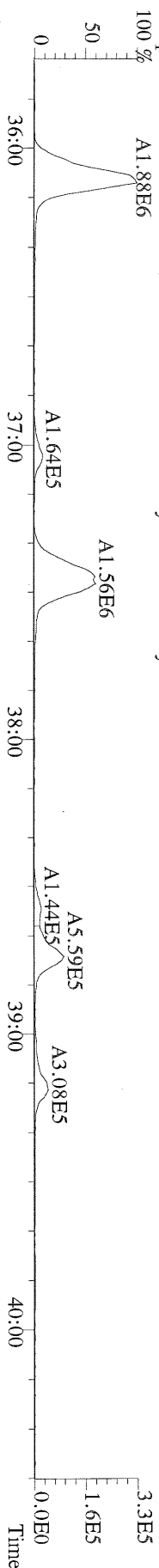
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366.9792 S:7 F:2 Exp:OCDD
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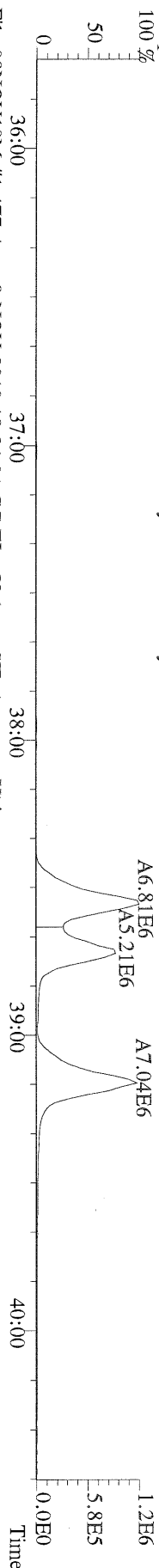
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 389.8156 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



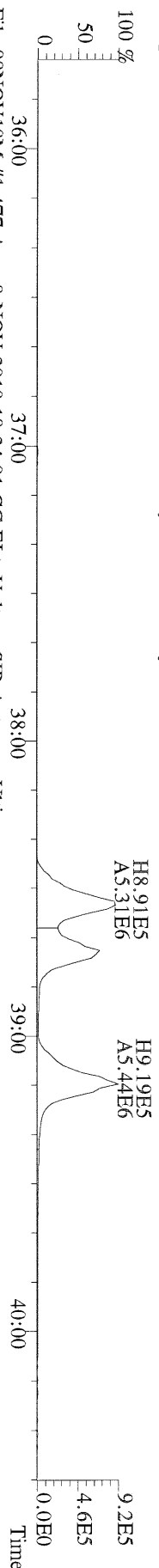
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 391.8127 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



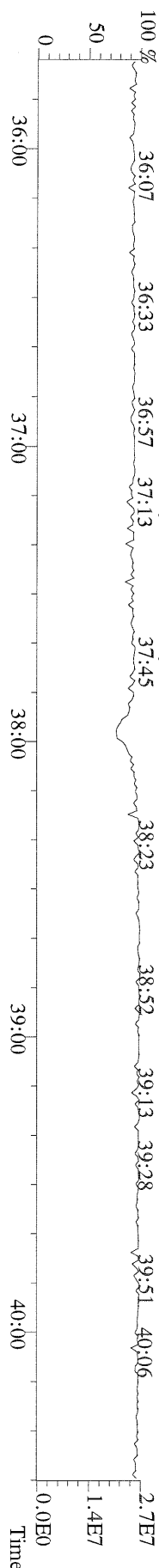
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 401.8559 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



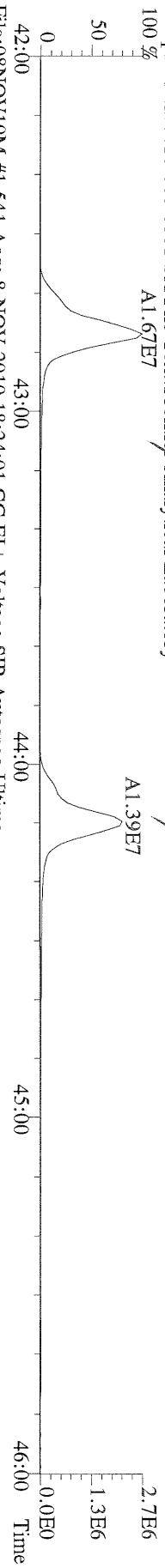
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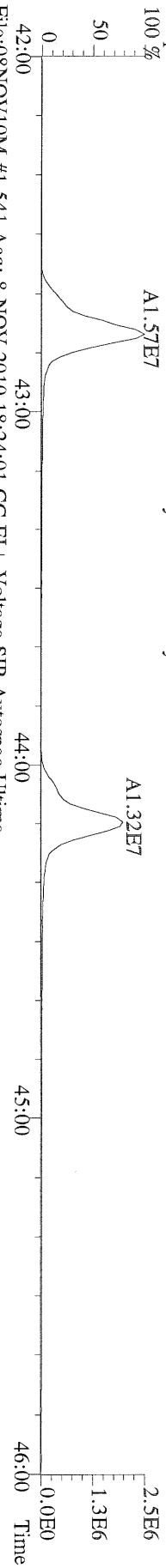
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 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



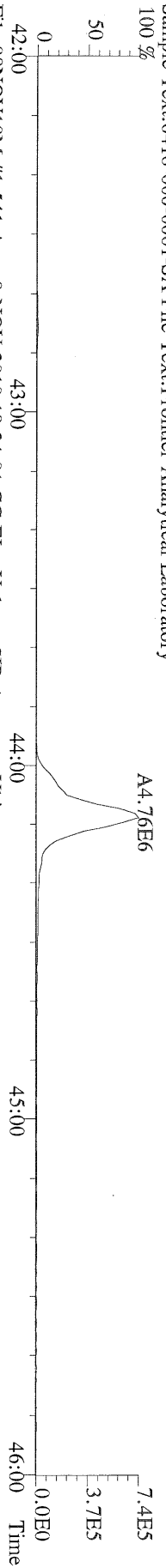
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 423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



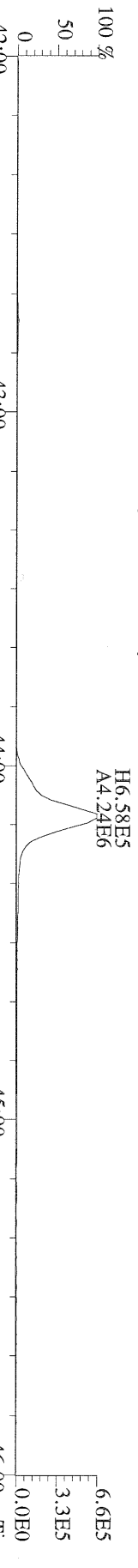
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 425.7737 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



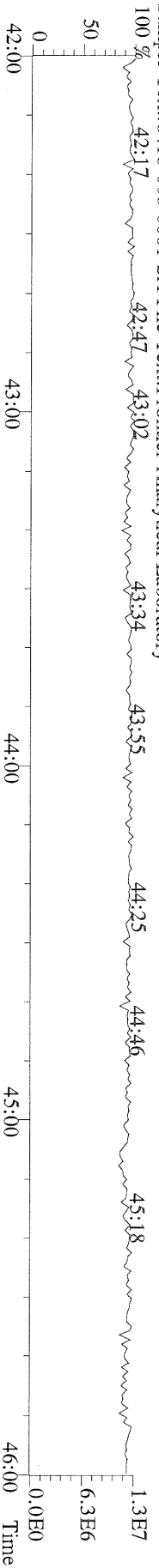
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 435.8169 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
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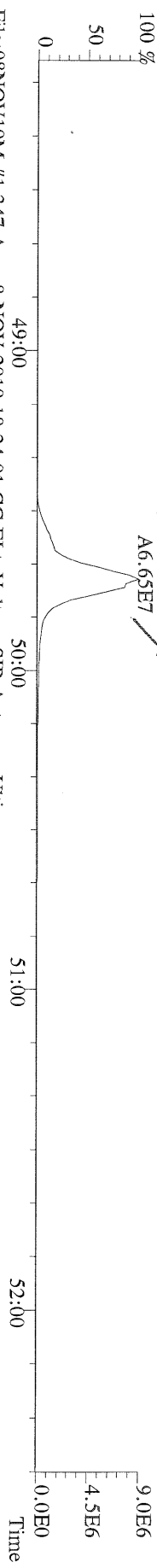
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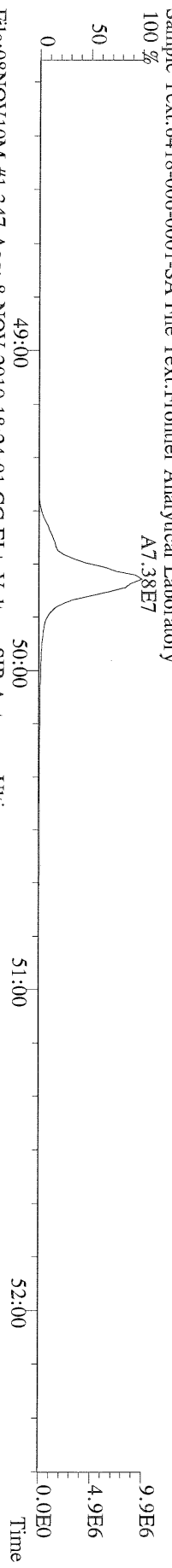
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 430.9728 S:7 F:4 Exp:OCDD
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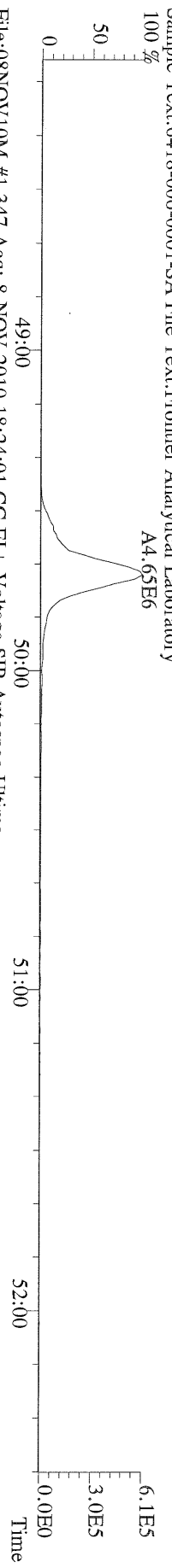
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457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



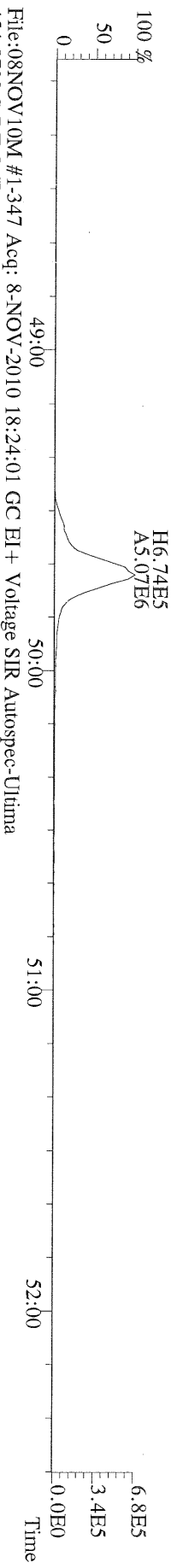
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459.7348 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



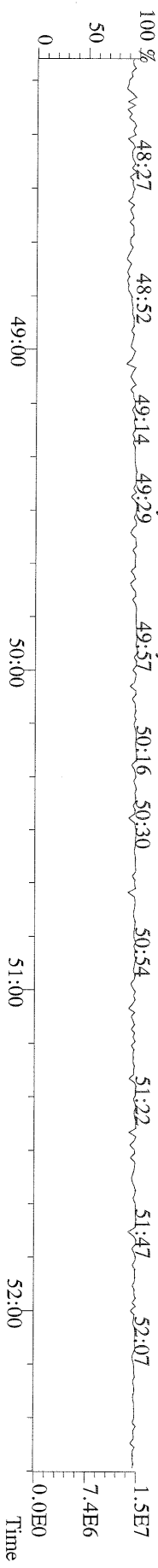
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469.7780 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



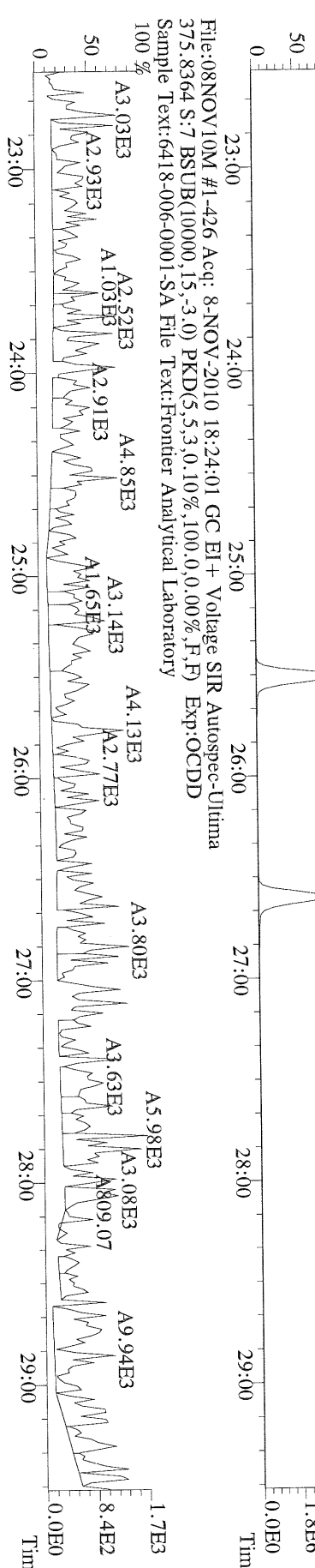
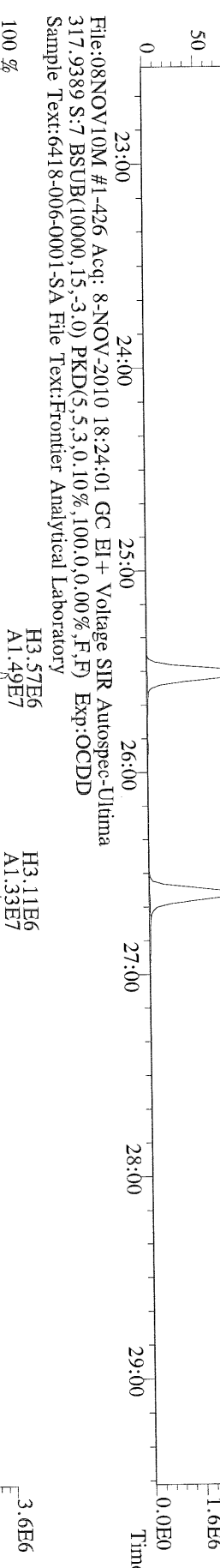
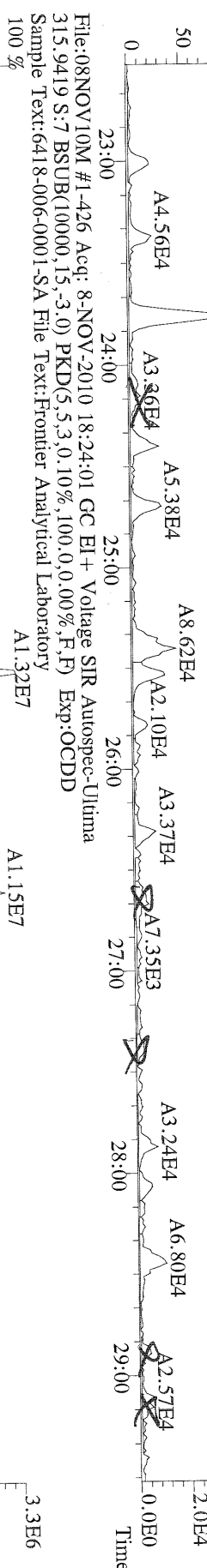
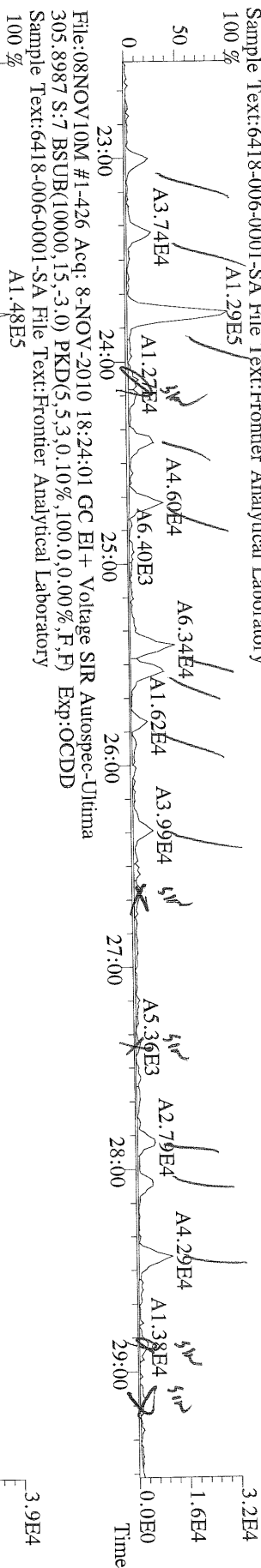
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Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



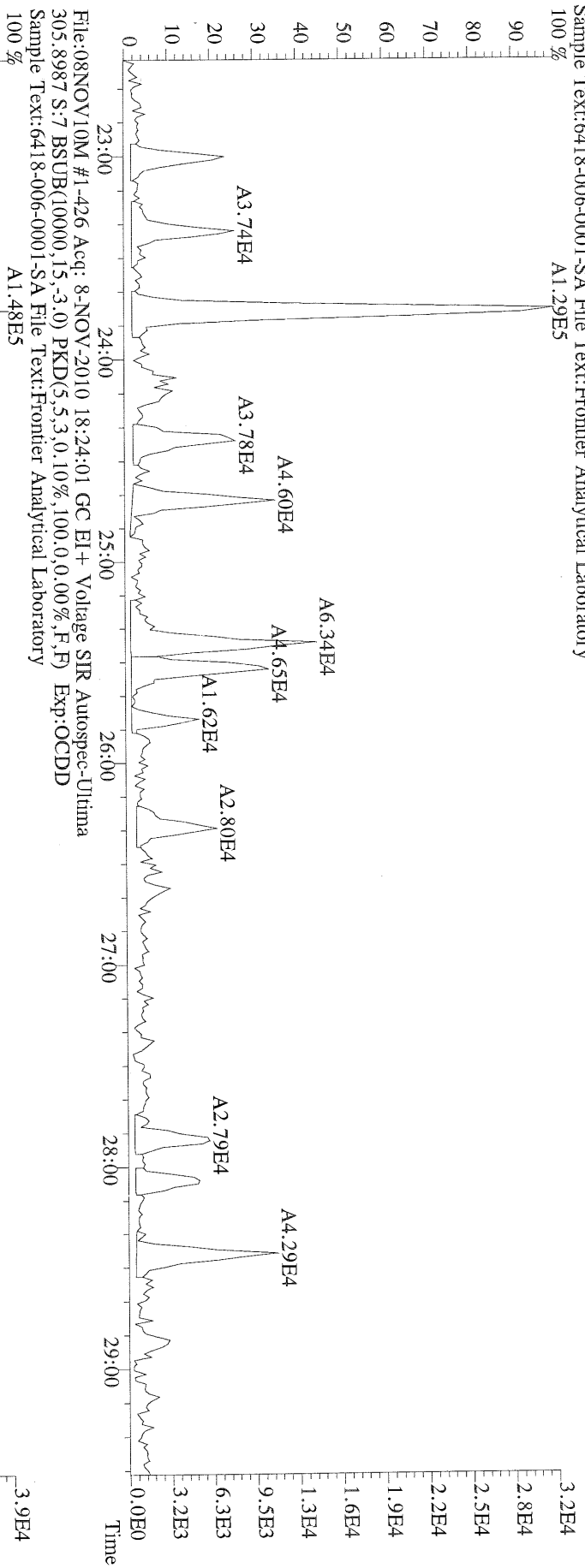
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Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



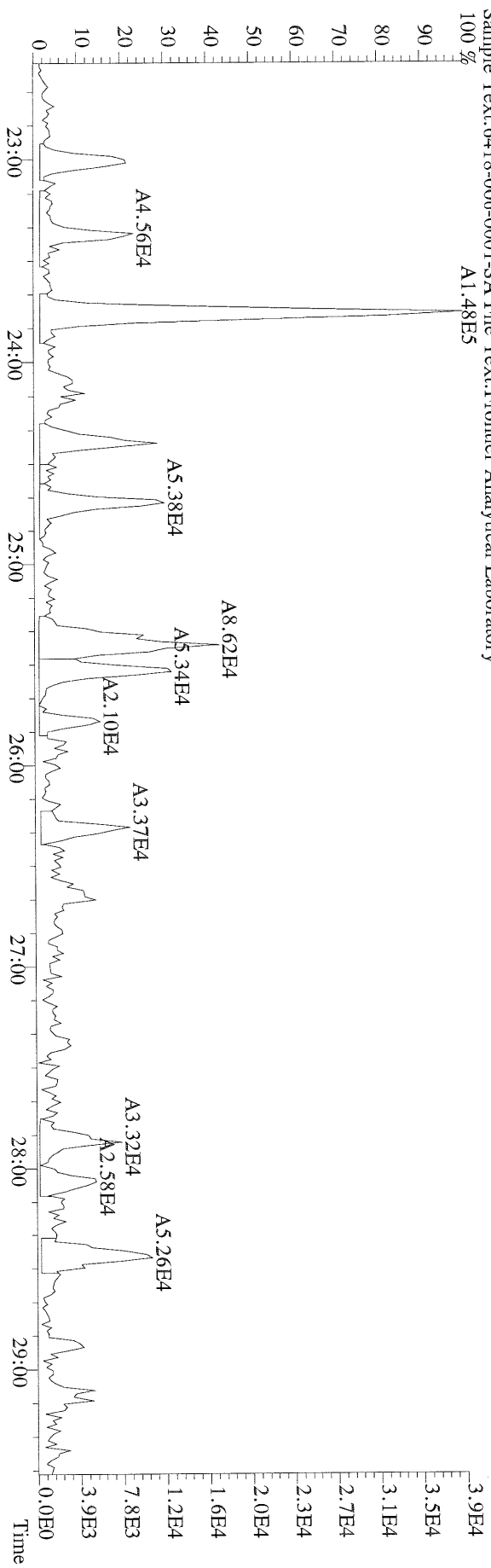
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 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



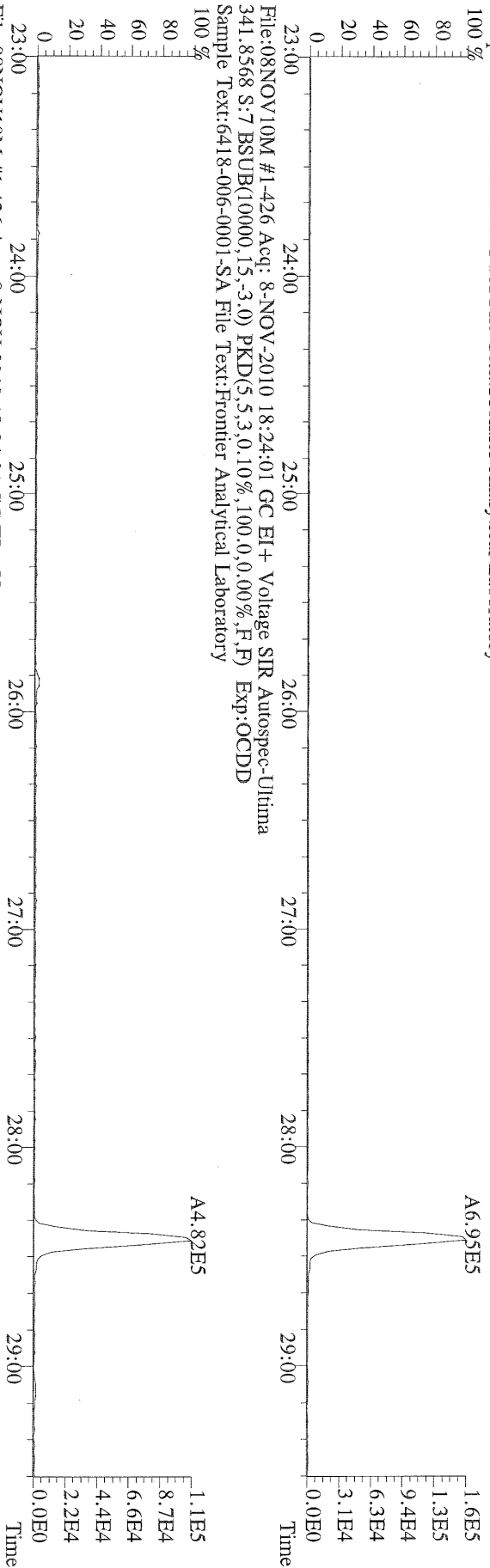
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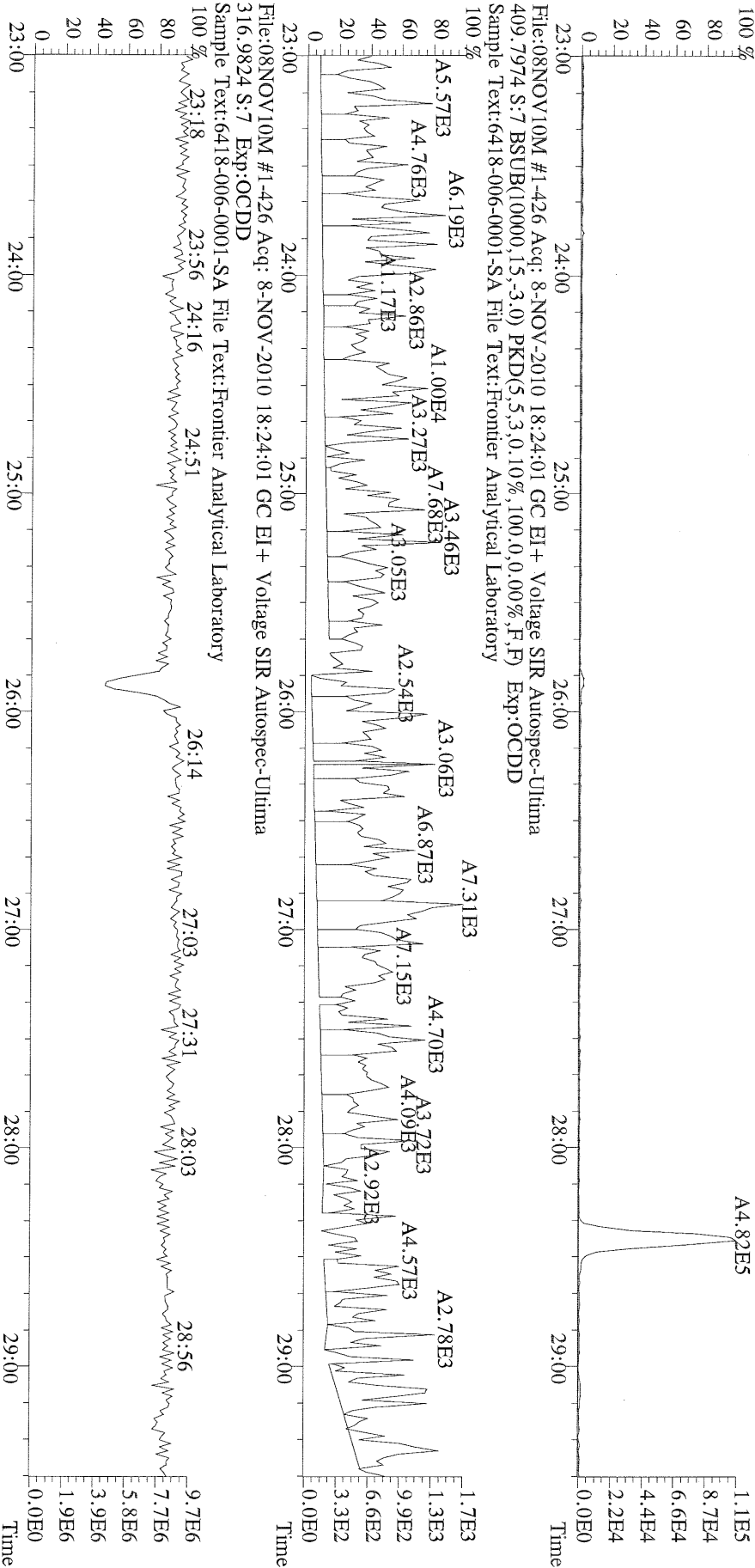
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305.8987 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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A1.48E5



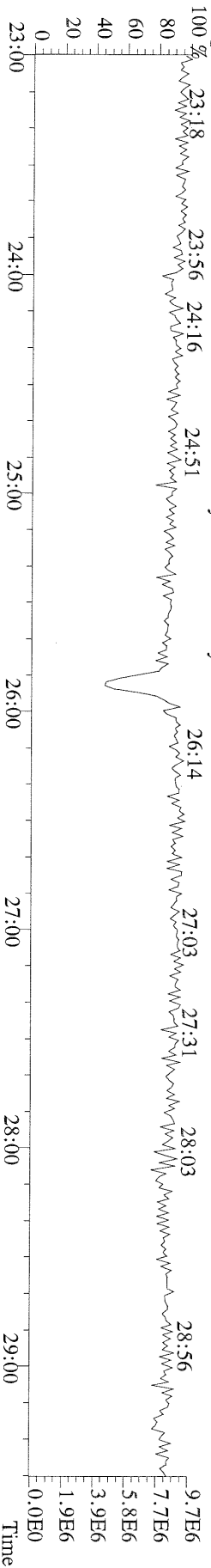
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339.8597 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



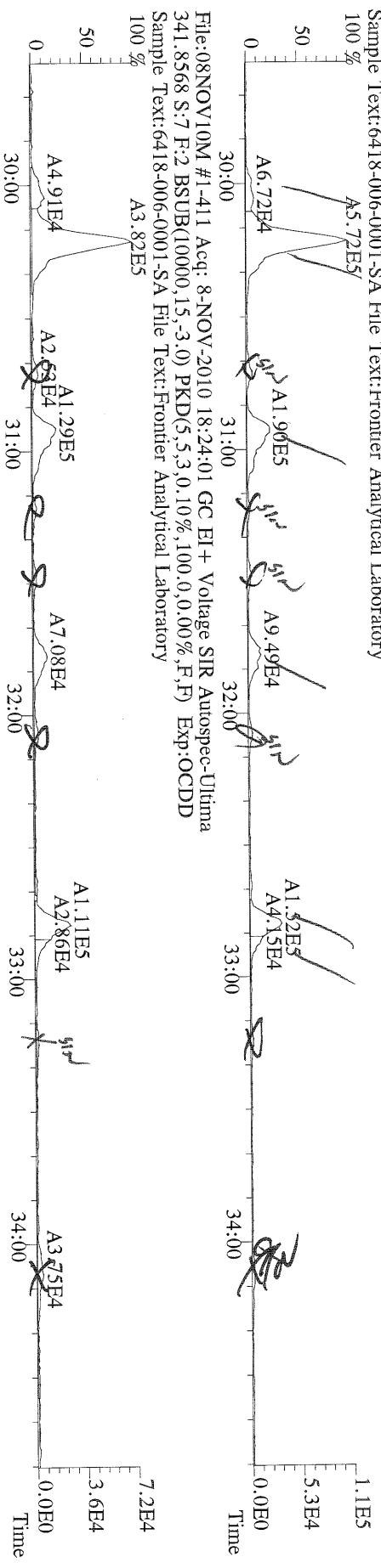
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341.8568 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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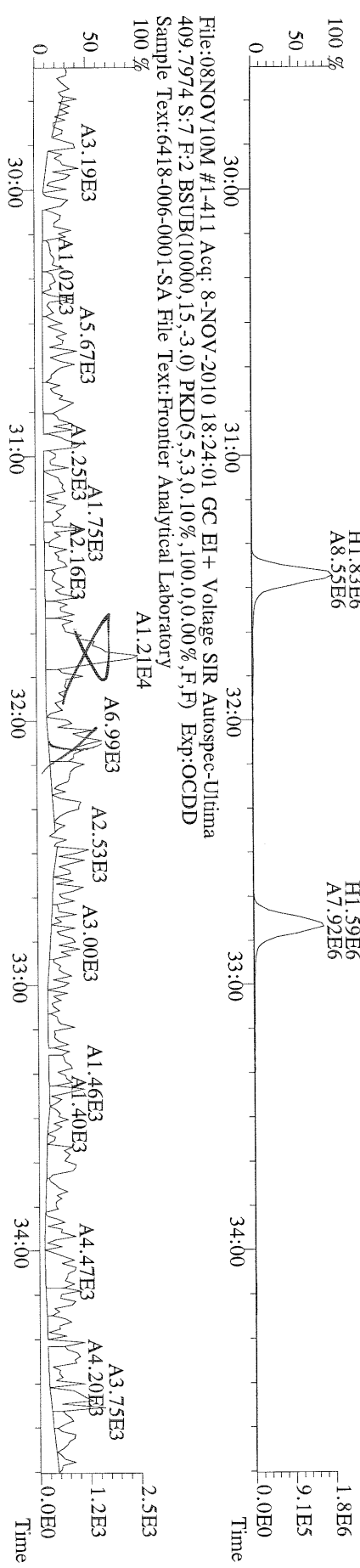
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316.9824 S:7 Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



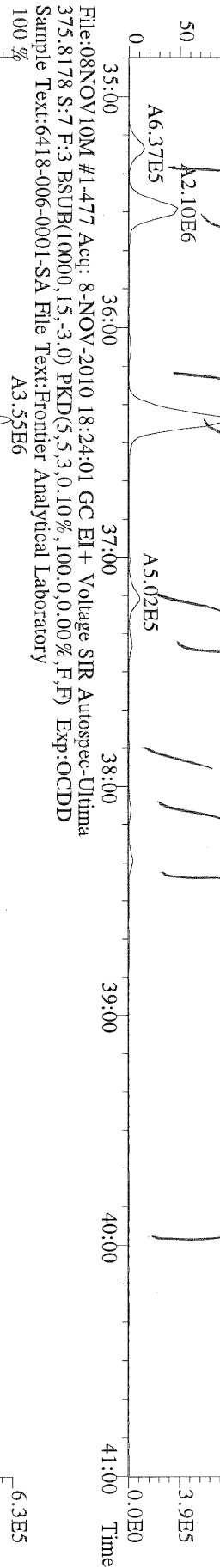
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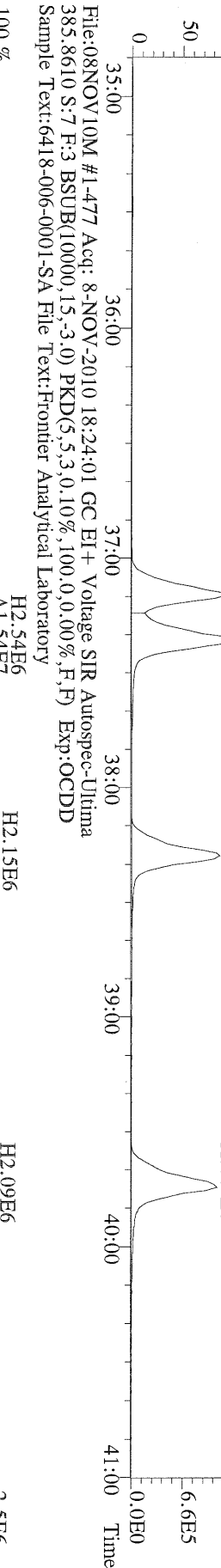
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353.8970 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



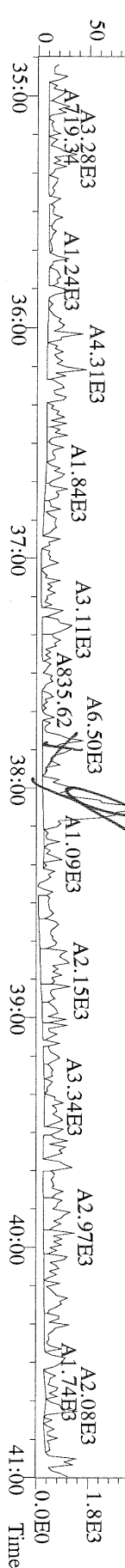
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 373.8207 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



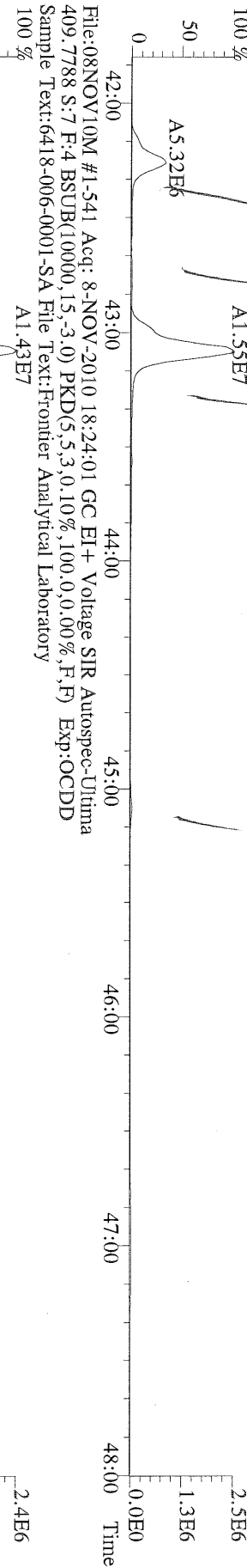
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 383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



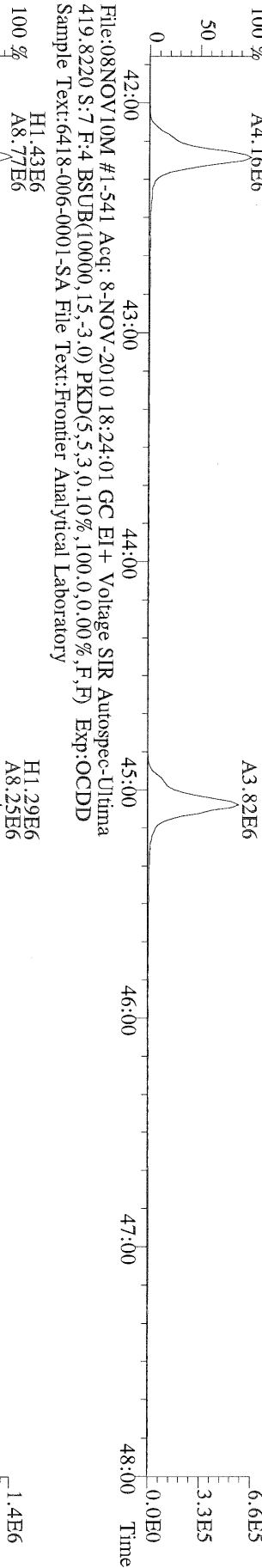
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 445.7555 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



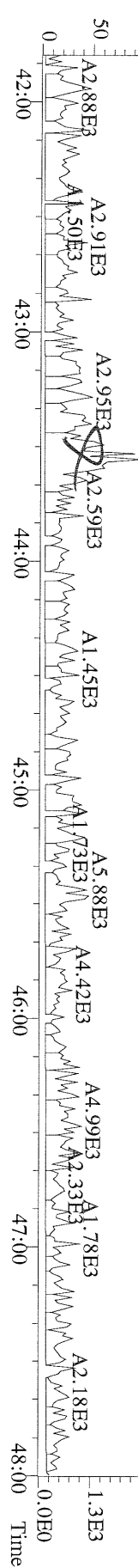
File:08NOV10M #1-541 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
 407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
 100 %



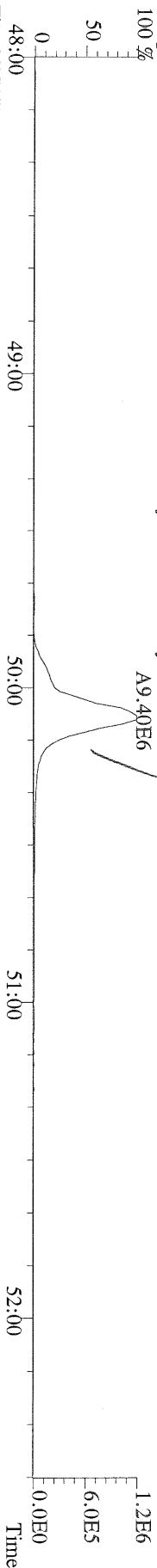
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 417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
 100 %



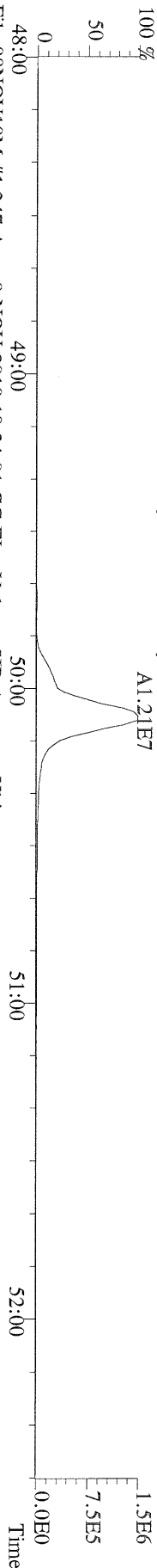
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 479.7165 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory
 100 %



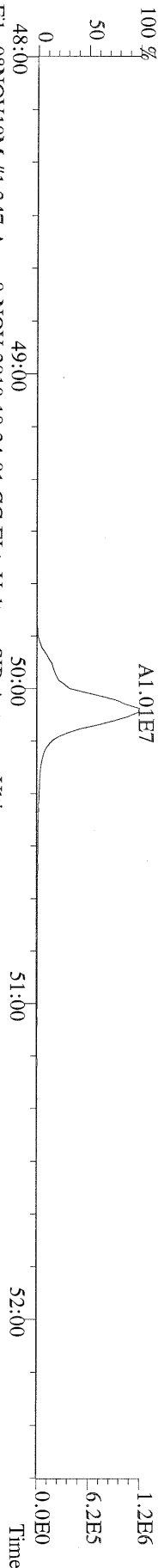
File:08NOV10M #1-347 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



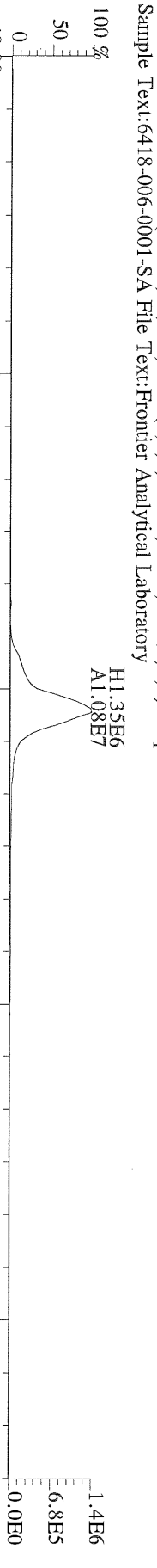
File:08NOV10M #1-347 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
443.7398 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



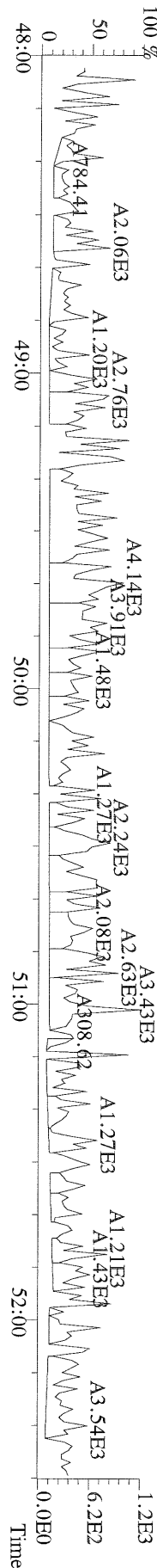
File:08NOV10M #1-347 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
453.7831 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
455.7801 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



File:08NOV10M #1-347 Acq: 8-NOV-2010 18:24:01 GC EI+ Voltage SIR Autospec-Utima
513.6775 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-006-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	516	780	0.331	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	754	596	0.497	
1,2,3,4,7,8-HxCDD	4.62e+04	1.08 y	38:35	1.37	0.998	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.21e+05	1.07 y	38:45	1.37	3.46	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	8.37e+04	1.19 y	39:11	1.36	2.07	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	2.18e+06	1.10 y	44:10	1.45	64.4		2.50	-	-	*	
OCDD	9.74e+06	0.91 y	49:43	1.43	613		2.50	-	-	*	
2,3,7,8-TCDF	8.75e+04	0.74 y	26:38	1.50	0.806	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	761	897	0.338	
2,3,4,7,8-PeCDF	5.02e+04	1.45 y	32:49	0.94	0.890	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	6.36e+04	1.42 y	37:11	0.93	1.32	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	4.93e+04	1.24 y	37:23	0.82	0.931	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	7.15e+04	1.08 y	38:19	0.92	1.40	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	480	391	0.258	
1,2,3,4,6,7,8-HpCDF	7.90e+05	1.08 y	42:15	1.39	16.4		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	4.56e+04	0.97 y	45:06	1.36	1.09	J	2.50	-	-	*	
OCDF	1.01e+06	0.76 y	50:06	0.79	50.3		2.50	-	-	*	
13C-2,3,7,8-TCDD	1.49e+07	0.77 y	27:22	1.02	356					90.7	
13C-1,2,3,7,8-PeCDD	1.27e+07	1.69 y	33:11	0.84	369					93.9	
13C-1,2,3,4,7,8-HxCDD	1.32e+07	1.25 y	38:33	1.07	371					94.5	
13C-1,2,3,6,7,8-HxCDD	1.00e+07	1.25 y	38:43	1.01	298					76.0	
13C-1,2,3,4,6,7,8-HpCDD	9.15e+06	1.07 y	44:08	0.86	322					81.8	
13C-OCDD	8.71e+06	0.93 y	49:42	0.55	480					61.1	
13C-2,3,7,8-TCDF	2.84e+07	0.87 y	26:37	0.99	373					95.0	
13C-1,2,3,7,8-PeCDF	2.53e+07	1.77 y	31:28	0.84	395					101	
13C-2,3,4,7,8-PeCDF	2.37e+07	1.78 y	32:47	0.81	381					96.9	
13C-1,2,3,4,7,8-HxCDF	2.04e+07	0.55 y	37:09	1.85	332					84.5	
13C-1,2,3,6,7,8-HxCDF	2.54e+07	0.55 y	37:22	2.54	301					76.6	
13C-2,3,4,6,7,8-HxCDF	2.18e+07	0.54 y	38:17	2.01	325					82.7	
13C-1,2,3,7,8,9-HxCDF	2.28e+07	0.53 y	39:44	2.03	338					85.9	
13C-1,2,3,4,6,7,8-HpCDF	1.36e+07	0.46 y	42:15	1.11	370					94.2	
13C-1,2,3,4,7,8,9-HpCDF	1.21e+07	0.47 y	45:04	0.80	453					115	
13C-OCDF	2.01e+07	0.95 y	50:03	1.08	558					71.1	
37Cl-2,3,7,8-TCDD	4.16e+06		27:23	0.69	149					94.7	
13C-1,2,3,4-TCDD	1.60e+07	0.75 y	26:48	-	7.01						
13C-1,2,3,4-TCDF	3.01e+07	0.88 y	25:32	-	8.17						
13C-1,2,3,7,8,9-HxCDD	1.31e+07	1.24 y	39:10	-	9.31						
Total Tetra-Dioxins	1.64e+05		24:23	1.11	3.90		2.50	-	-	*	2
Total Penta-Dioxins	2.56e+05		30:15	1.10	7.20		2.50	-	-	*	4
Total Hexa-Dioxins	1.04e+06		36:07	1.37	25.9		2.50	-	-	*	6
Total Hepta-Dioxins	4.56e+06		42:46	1.45	135		2.50	-	-	*	2
Total Tetra-Furans	1.65e+06		23:22	1.50	15.2		2.50	-	-	*	13
1st Fn. Tot Penta-Furans	3.65e+05		28:25	0.94	6.23	M	2.50	-	-	*	PeCDF 1
Total Penta-Furans	7.55e+05		30:02	0.94	12.9	M	2.50	-	-	*	19.2 / 6
Total Hexa-Furans	1.20e+06		35:13	0.91	23.0		2.50	-	-	*	19.1 / 6
Total Hepta-Furans	2.08e+06		42:15	1.38	45.1		2.50	-	-	*	3

Analyst:

Date: 11/9/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 1

Acquired: 8-NOV-10 19:19:19

Total Concentration: 3.90

Unnamed Concentration: 3.896

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:23	4.26e+04	5.21e+04	0.82 y	9.47e+04	2.25	
24:39	3.01e+04	3.92e+04	0.77 y	6.93e+04	1.65	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 2

Acquired: 8-NOV-10 19:19:19

Total Concentration: 7.20

Unnamed Concentration: 7.203

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	7.25e+04	4.33e+04	1.68 y	1.16e+05	3.26	
31:28	3.55e+04	2.12e+04	1.67 y	5.67e+04	1.60	
31:43	1.99e+04	1.29e+04	1.55 y	3.27e+04	0.922	
31:51	3.11e+04	1.95e+04	1.60 y	5.05e+04	1.42	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 3

Acquired: 8-NOV-10 19:19:19

Total Concentration: 25.9

Unnamed Concentration: 19.373

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:07	1.71e+05	1.31e+05	1.31 y	3.02e+05	7.45	
37:03	6.65e+04	4.83e+04	1.38 y	1.15e+05	2.83	
37:28	2.08e+05	1.61e+05	1.30 y	3.69e+05	9.09	
38:35	2.40e+04	2.22e+04	1.08 y	4.62e+04	0.998	1,2,3,4,7,8-HxCDD
38:45	6.27e+04	5.87e+04	1.07 y	1.21e+05	3.46	1,2,3,6,7,8-HxCDD
39:11	4.55e+04	3.82e+04	1.19 y	8.37e+04	2.07	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 4

Acquired: 8-NOV-10 19:19:19

Total Concentration: 135

Unnamed Concentration: 70.230

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:46	1.23e+06	1.15e+06	1.07 y	2.38e+06	70.2	
44:10	1.14e+06	1.04e+06	1.10 y	2.18e+06	64.4	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 1

Acquired: 8-NOV-10 19:19:19

Total Concentration: 15.2

Unnamed Concentration: 14.360

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:22	3.59e+04	4.22e+04	0.85 y	7.81e+04	0.719	
23:47	1.58e+05	1.86e+05	0.85 y	3.44e+05	3.17	
24:10	5.76e+04	6.95e+04	0.83 y	1.27e+05	1.17	
24:25	7.24e+04	9.36e+04	0.77 y	1.66e+05	1.53	
24:42	8.10e+04	9.26e+04	0.87 y	1.74e+05	1.60	
24:57	2.43e+04	2.91e+04	0.84 y	5.34e+04	0.492	
25:26	1.23e+05	1.55e+05	0.80 y	2.78e+05	2.56	
25:32	2.41e+04	3.43e+04	0.70 y	5.84e+04	0.538	
25:54	2.91e+04	3.84e+04	0.76 y	6.75e+04	0.622	
26:38	3.71e+04	5.04e+04	0.74 y	8.75e+04	0.806	2,3,7,8-TCDF
26:57	4.27e+04	5.38e+04	0.79 y	9.65e+04	0.889	
27:53	2.67e+04	3.74e+04	0.71 y	6.41e+04	0.590	
28:06	2.26e+04	2.91e+04	0.78 y	5.17e+04	0.477	

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

Run: 12 File: 08NOV10M S: 8 I: 1 F: 1
Acquired: 8-NOV-10 19:19:19

Total Concentration: 6.23 Unnamed Concentration: 6.232

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:25	2.13e+05	1.52e+05	1.41 y	3.65e+05	6.23	

Totals class: Total Penta-Furans

Entry #: 44

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 2

Acquired: 8-NOV-10 19:19:19

Total Concentration: 12.9

Unnamed Concentration: 12.033

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:02	3.81e+04	4.62e+04	0.83 n	6.27e+04	1.07	
30:13	2.22e+05	1.56e+05	1.43 y	3.78e+05	6.46	
30:55	7.23e+04	4.96e+04	1.46 y	1.22e+05	2.08	
31:46	4.95e+04	3.66e+04	1.35 y	8.61e+04	1.47	
32:49	2.97e+04	2.05e+04	1.45 y	5.02e+04	0.890	2,3,4,7,8-PeCDF
32:51	3.28e+04	2.26e+04	1.45 y	5.55e+04	0.948	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 3

Acquired: 8-NOV-10 19:19:19

Total Concentration: 23.0

Unnamed Concentration: 19.324

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:13	7.76e+04	6.59e+04	1.18 y	1.43e+05	2.74	
35:30	2.62e+05	2.17e+05	1.21 y	4.78e+05	9.14	
36:25	2.05e+05	1.85e+05	1.11 y	3.90e+05	7.44	
37:11	3.73e+04	2.63e+04	1.42 y	6.36e+04	1.32	1,2,3,4,7,8-HxCDF
37:23	2.73e+04	2.20e+04	1.24 y	4.93e+04	0.931	1,2,3,6,7,8-HxCDF
38:19	3.70e+04	3.44e+04	1.08 y	7.15e+04	1.40	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 12

File: 08NOV10M

S: 8 I: 1 F: 4

Acquired: 8-NOV-10 19:19:19

Total Concentration: 45.1

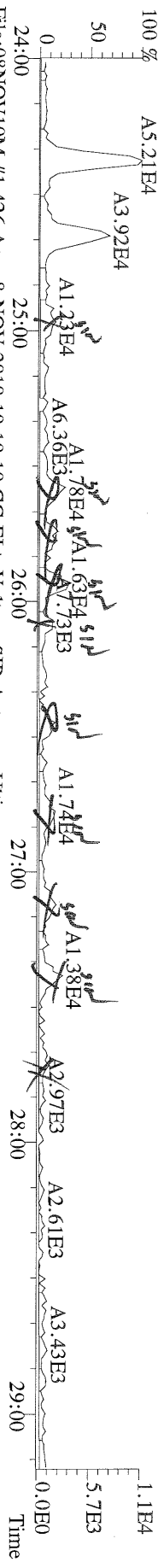
Unnamed Concentration: 27.606

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:15	4.10e+05	3.80e+05	1.08 y	7.90e+05	16.4	1,2,3,4,6,7,8-HpCDF
43:05	6.53e+05	5.92e+05	1.10 y	1.24e+06	27.6	
45:06	2.25e+04	2.31e+04	0.97 y	4.56e+04	1.09	1,2,3,4,7,8,9-HpCDF

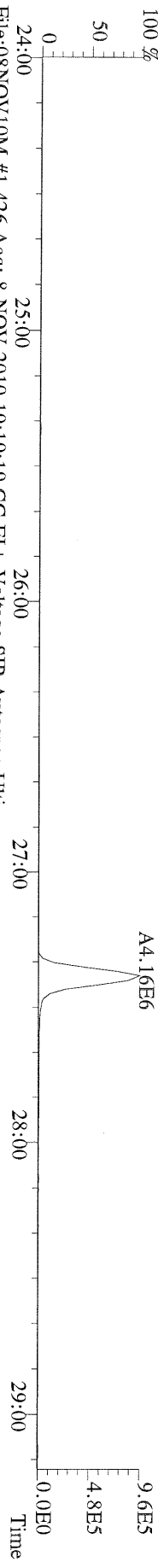
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Fronter Analytical Laboratory



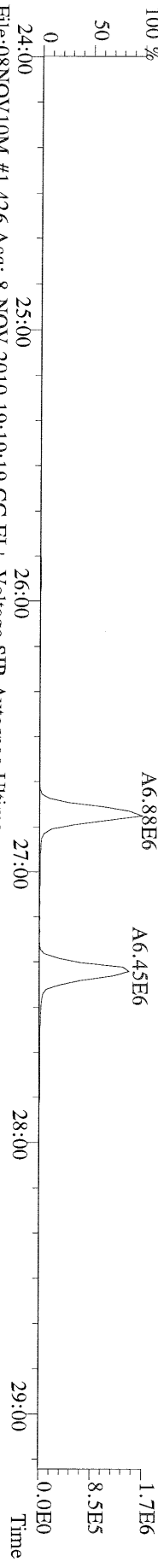
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Fronter Analytical Laboratory



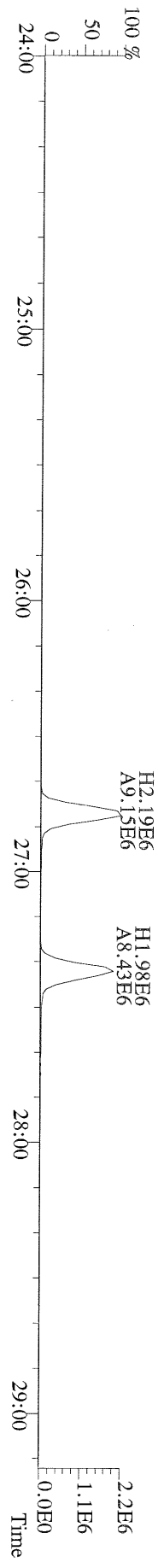
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Fronter Analytical Laboratory



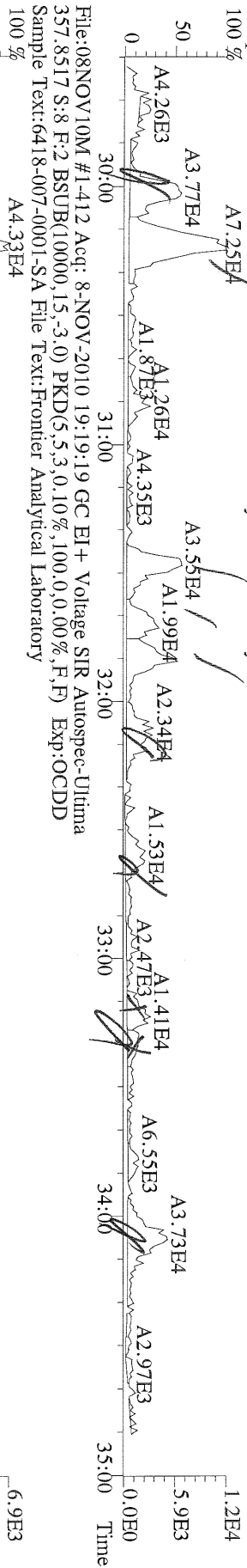
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Fronter Analytical Laboratory



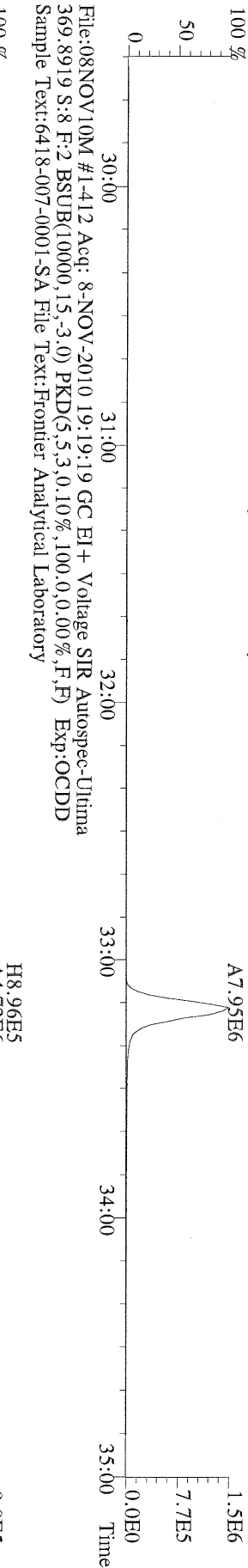
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Fronter Analytical Laboratory



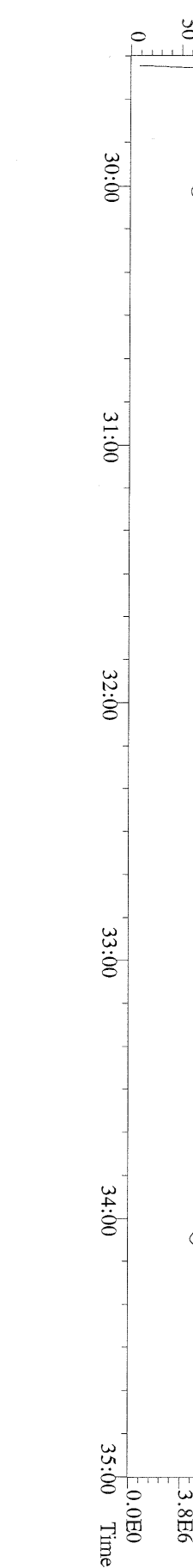
File:08NOV10M #1-412 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
 355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



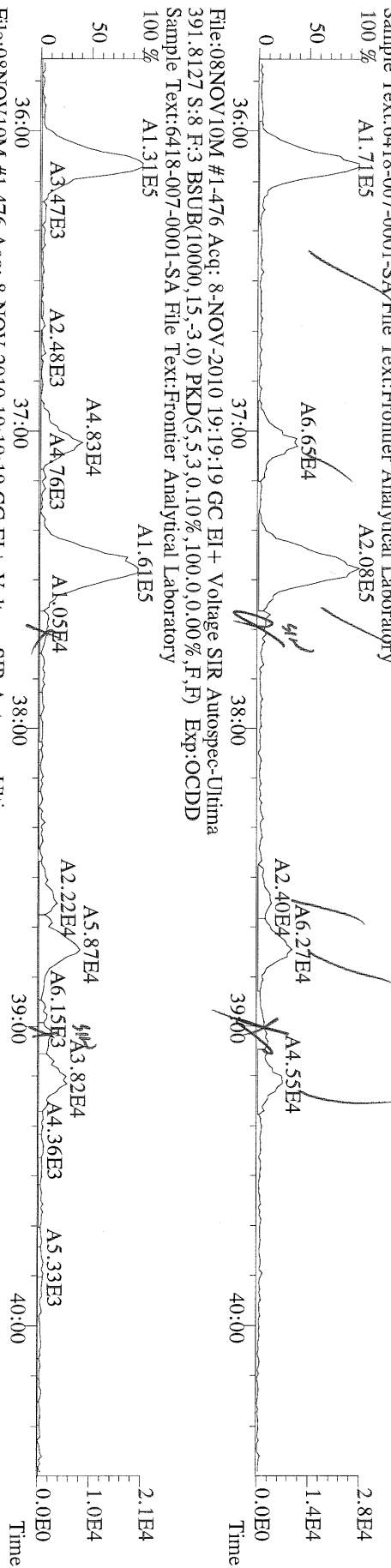
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 367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



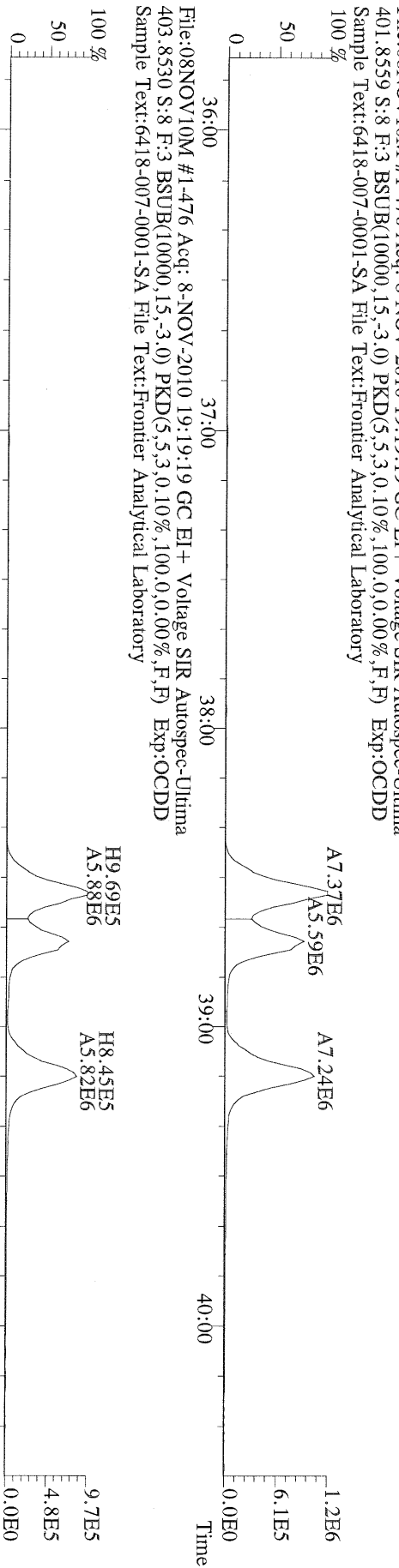
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 366.9792 S:8 F:2 Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



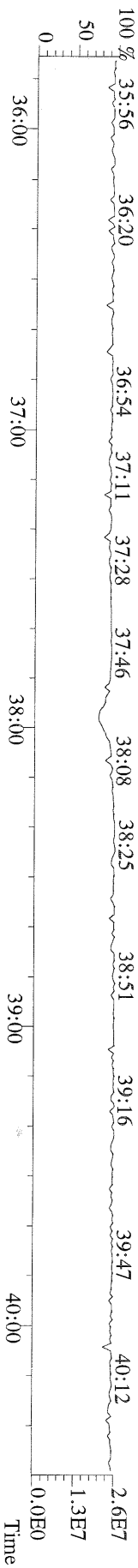
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 389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA-File Text:Frontier Analytical Laboratory
 100%



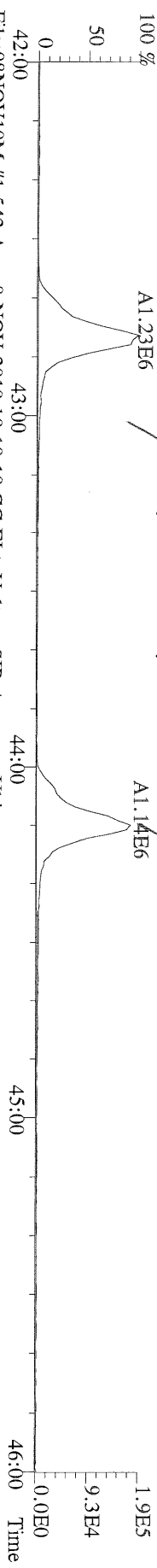
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 401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA-File Text:Frontier Analytical Laboratory
 100%



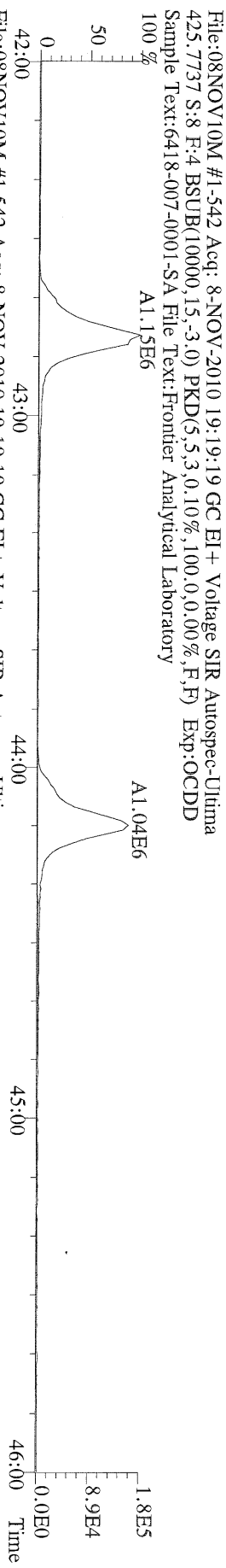
File:08NOV10M #1-476 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:8 F:3 Exp:OCDD
 Sample Text:6418-007-0001-SA-File Text:Frontier Analytical Laboratory



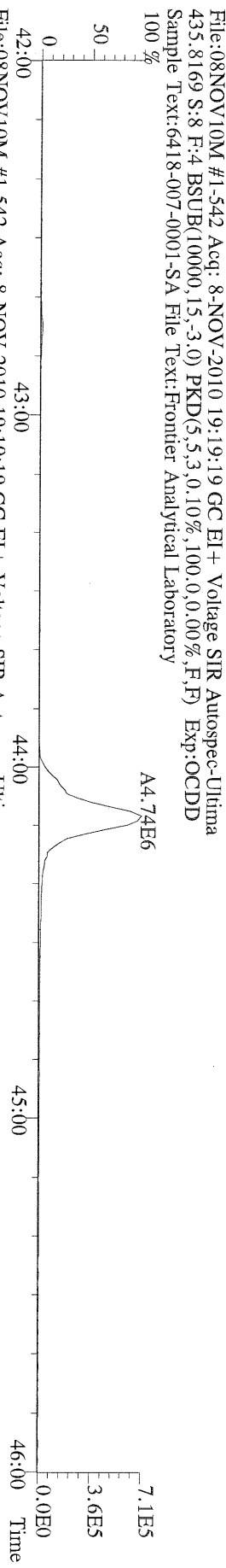
File:08NOV10M #1-542 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



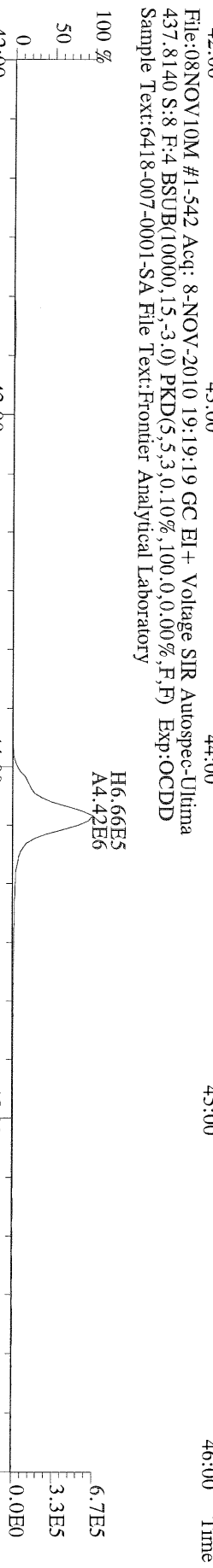
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425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



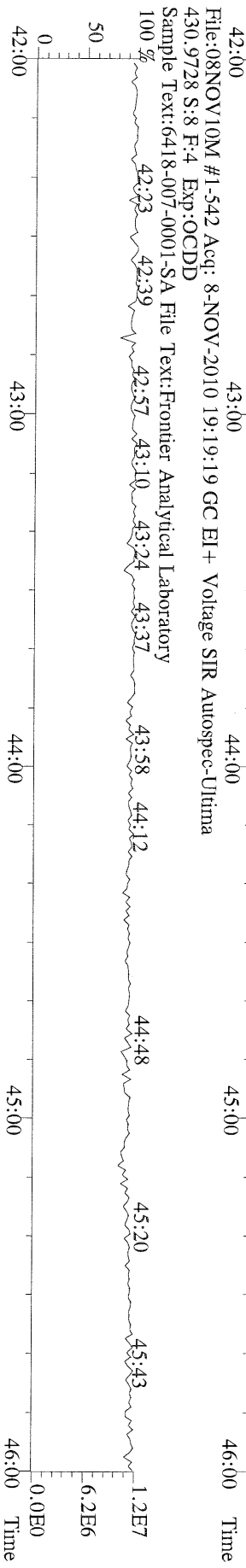
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435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



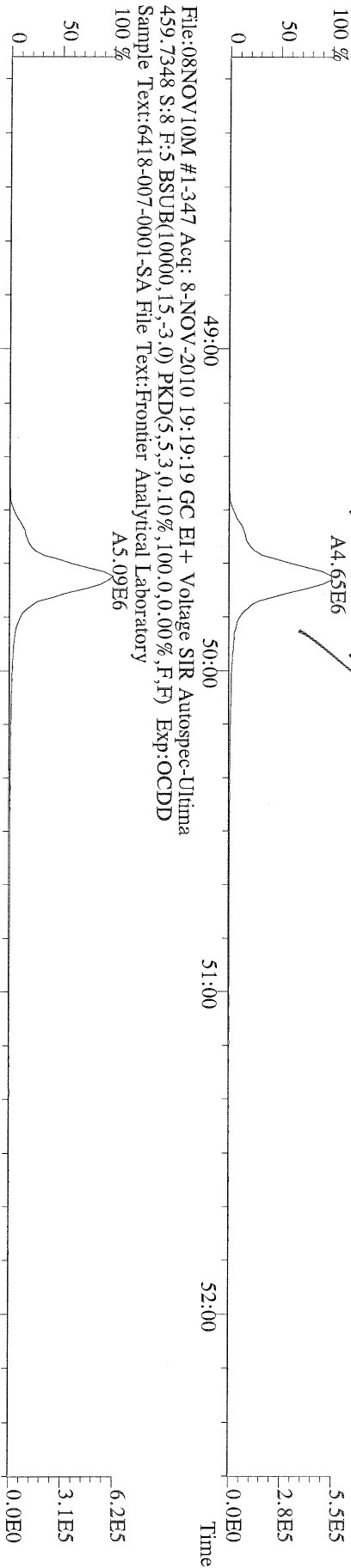
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437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



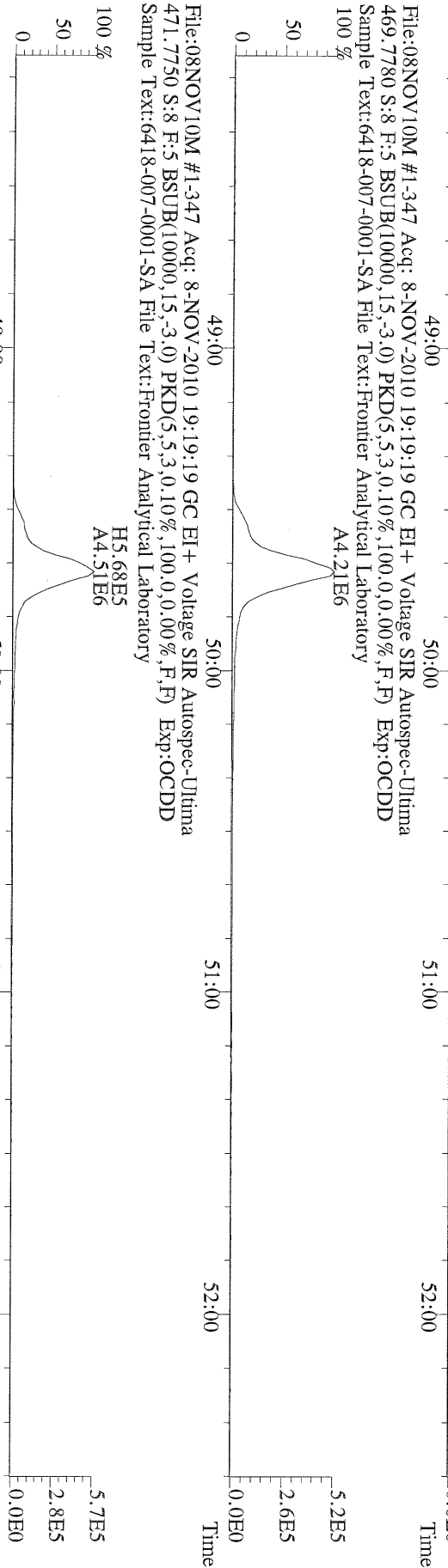
File:08NOV10M #1-542 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:8 F:4 Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



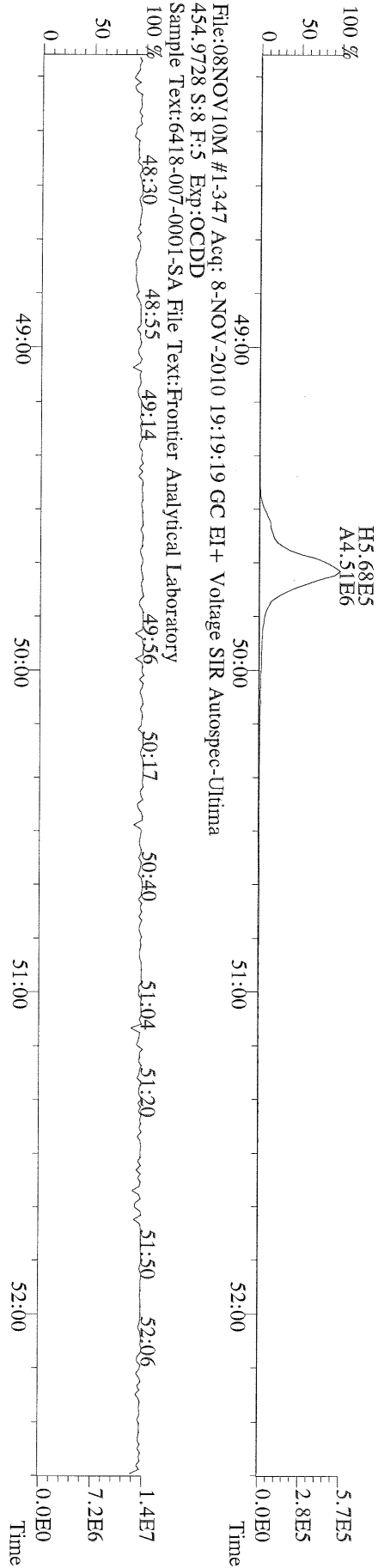
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



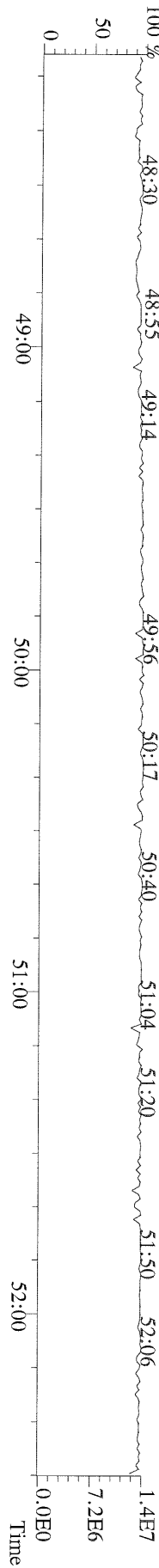
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



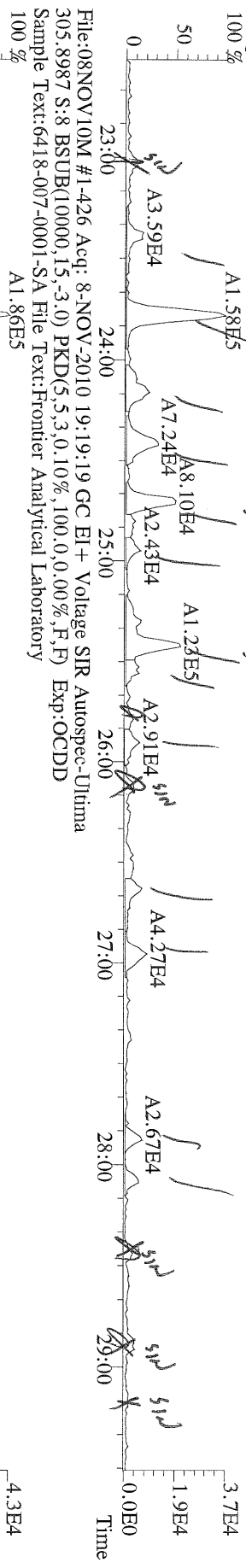
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



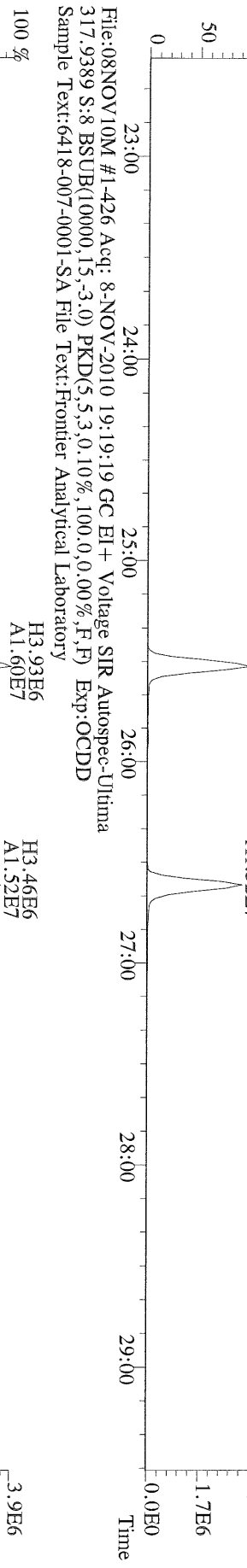
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
454.9728 S:8 F:5 Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



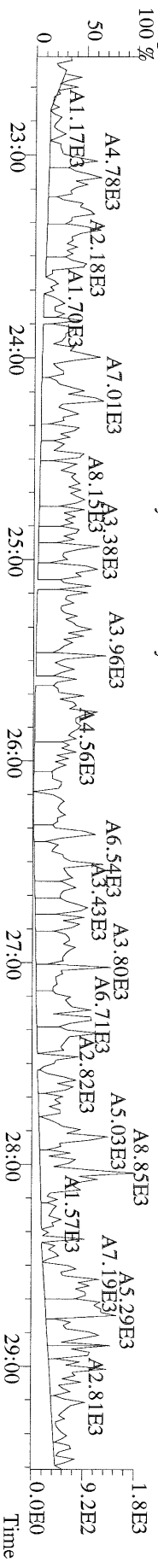
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:8 BSUB(10000,15,-3.0) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



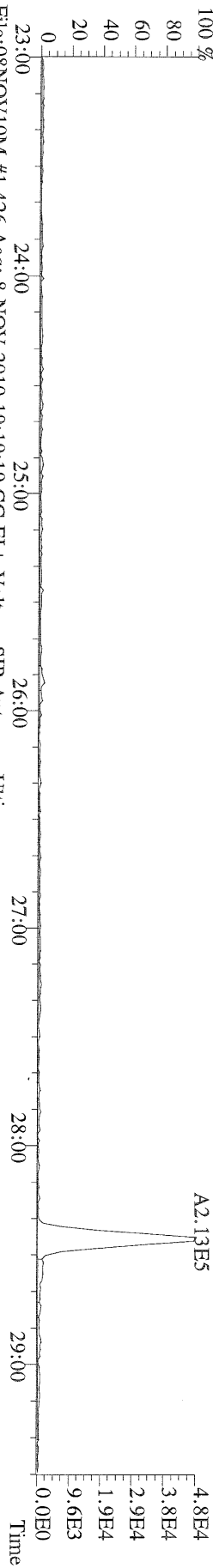
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



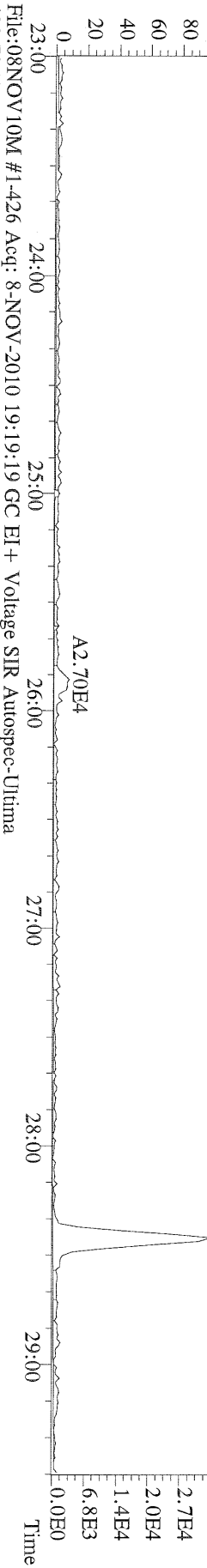
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



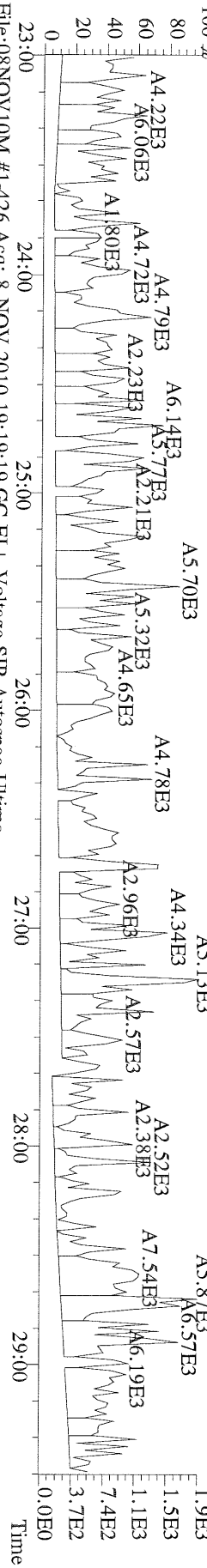
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



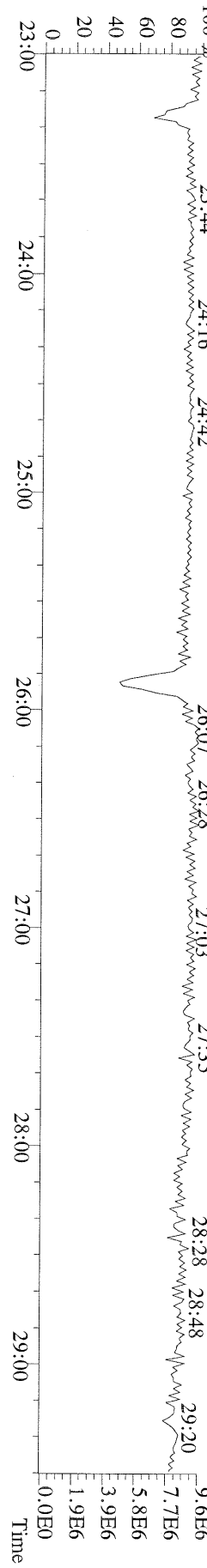
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 341.8568 S:8 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



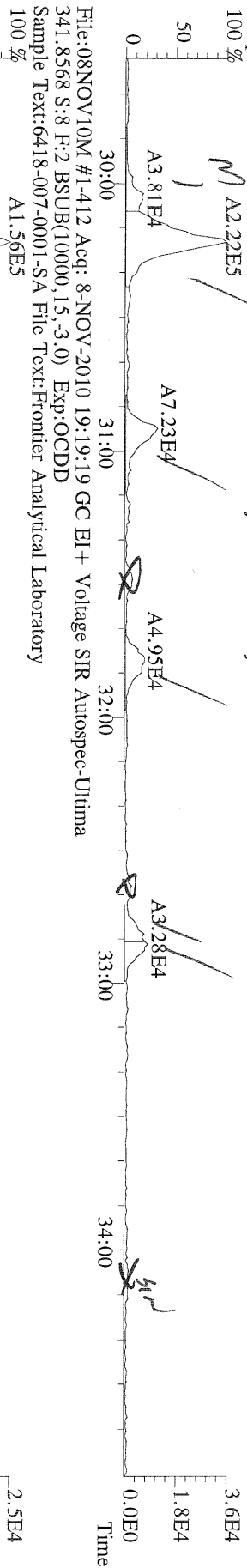
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:8 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



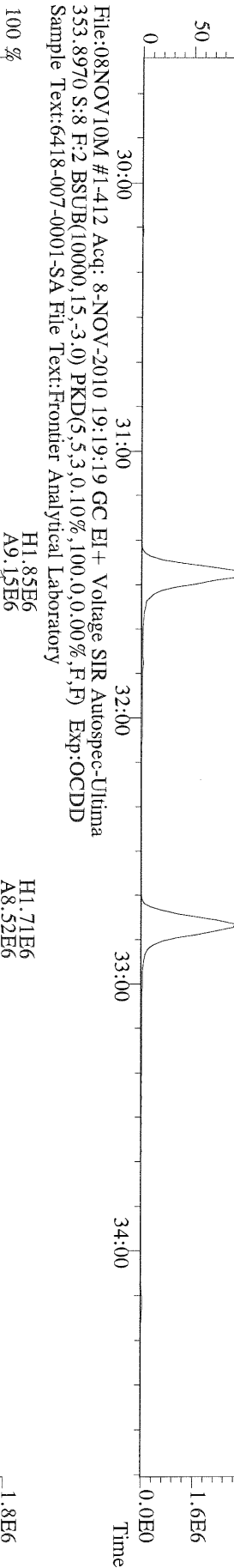
File:08NOV10M #1-426 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:8 Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



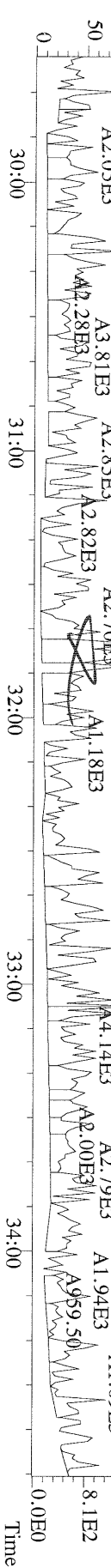
File:08NOV10M #1-412 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:8 F:2 BSUB(10000,15,-3.0) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



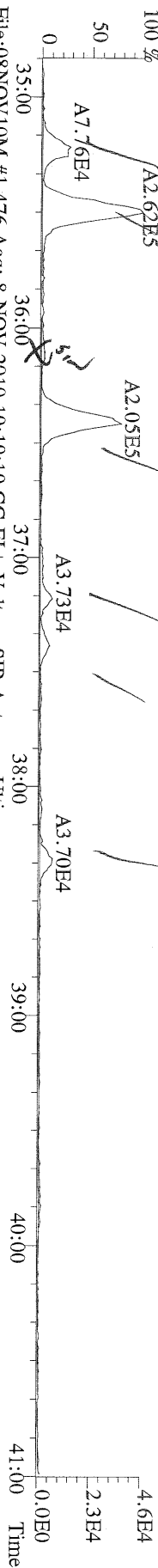
File:08NOV10M #1-412 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



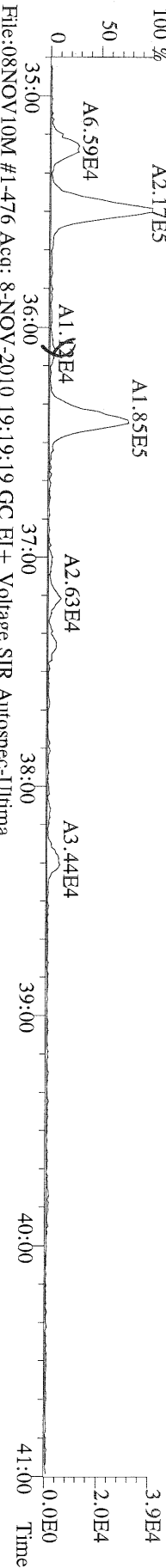
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409.7974 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



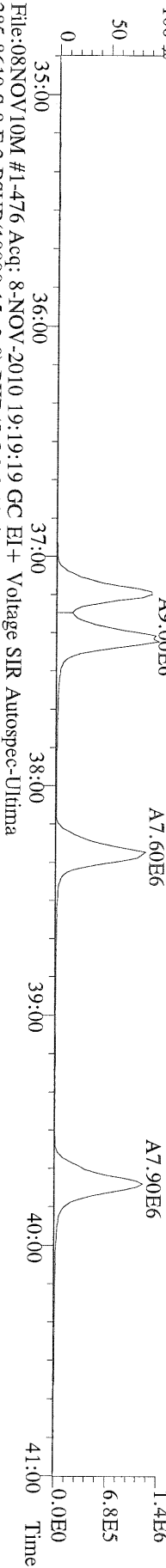
File:08NOV10M #1-476 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
 373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



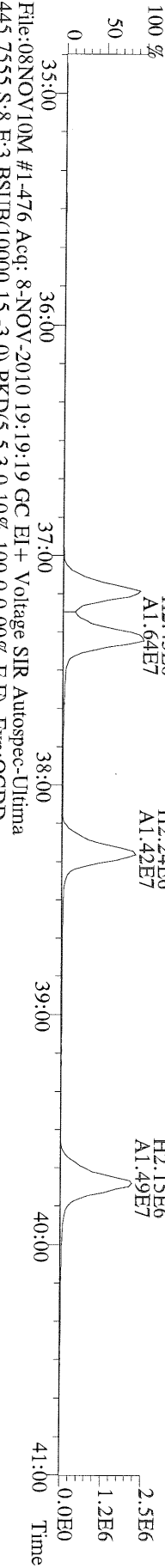
File:08NOV10M #1-476 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
 375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



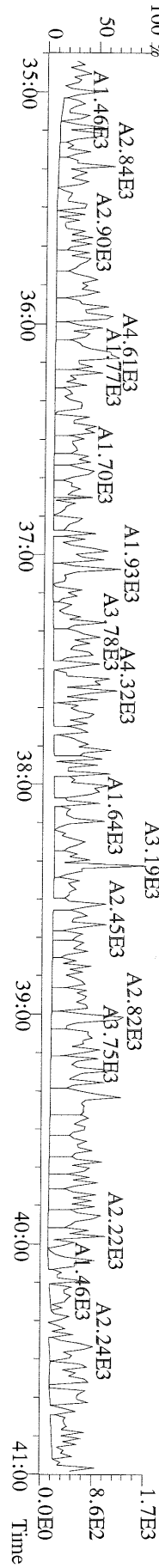
File:08NOV10M #1-476 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
 383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



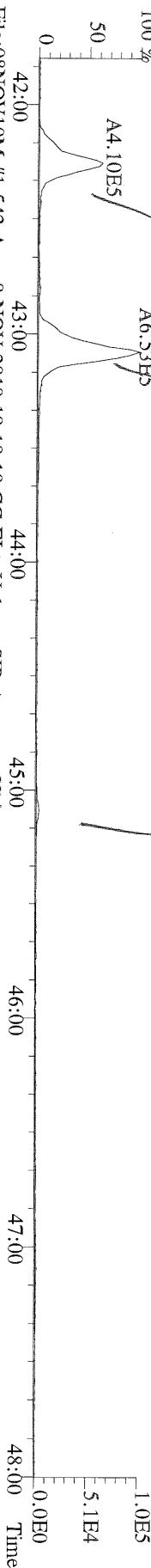
File:08NOV10M #1-476 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Utima
 445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



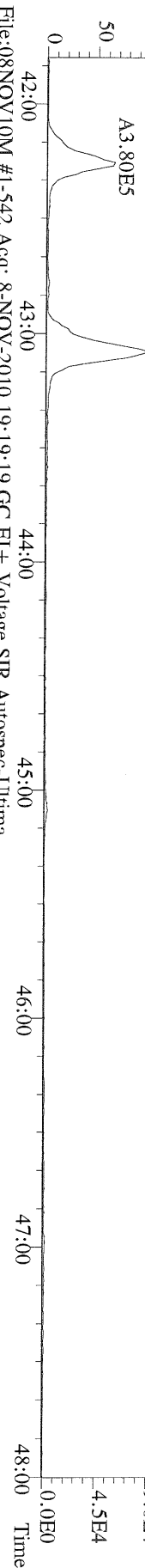
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 445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory



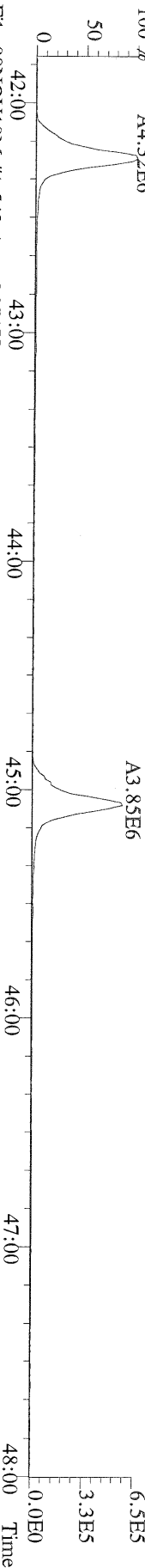
File:08NOV10M #1-542 Acq: 8-NOV-2010 19:19:19 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
 100%



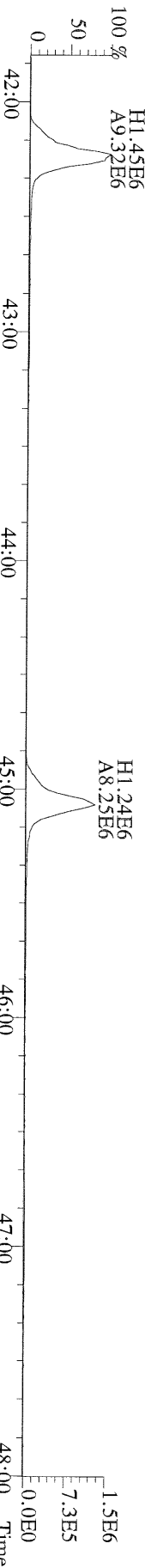
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 409.7788 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
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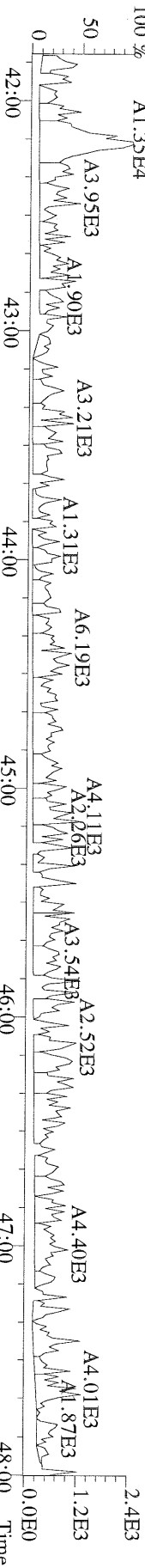
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 417.8253 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
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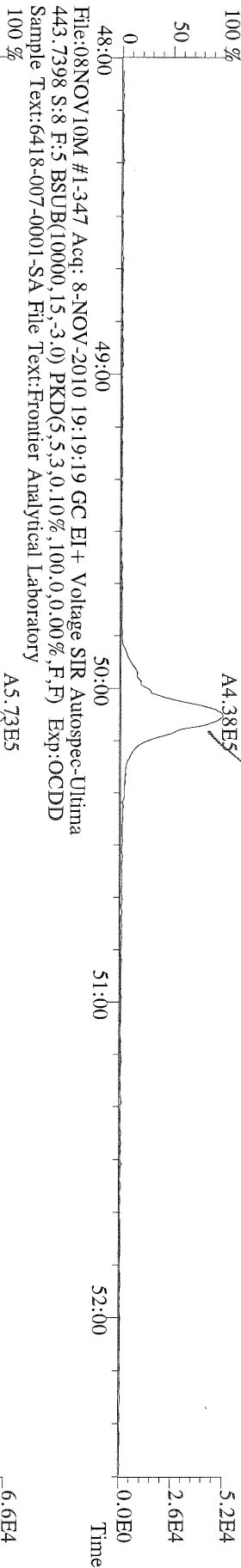
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 419.8220 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
 100%



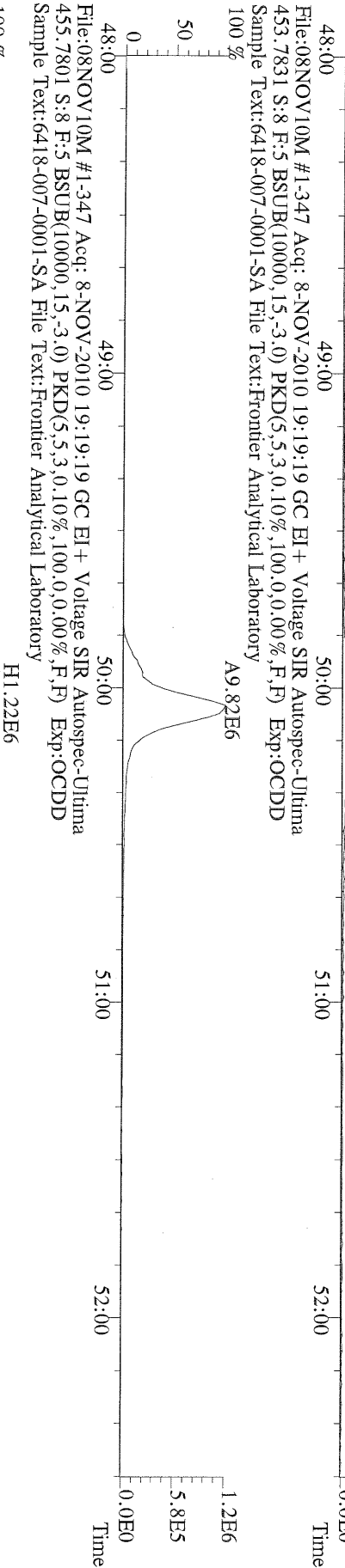
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 479.7165 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
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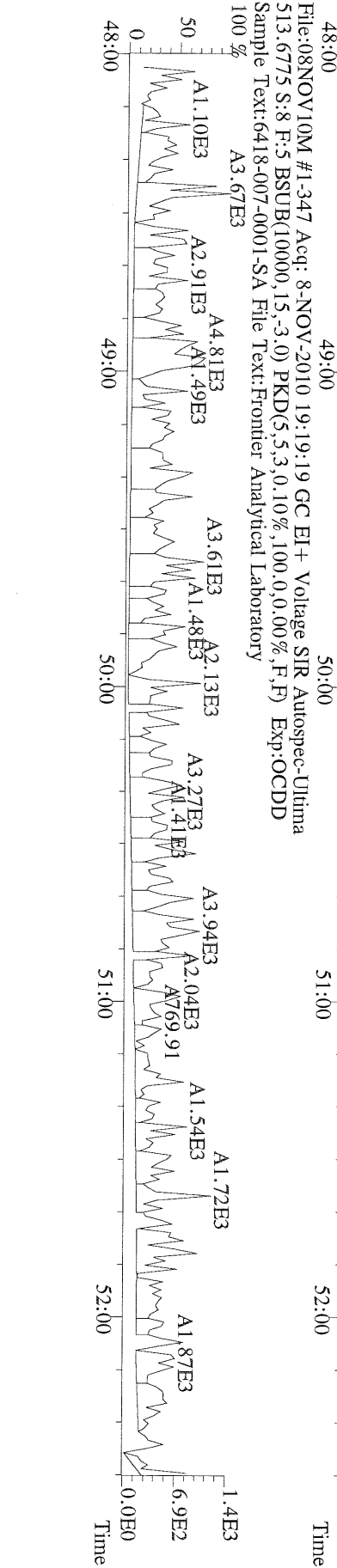
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



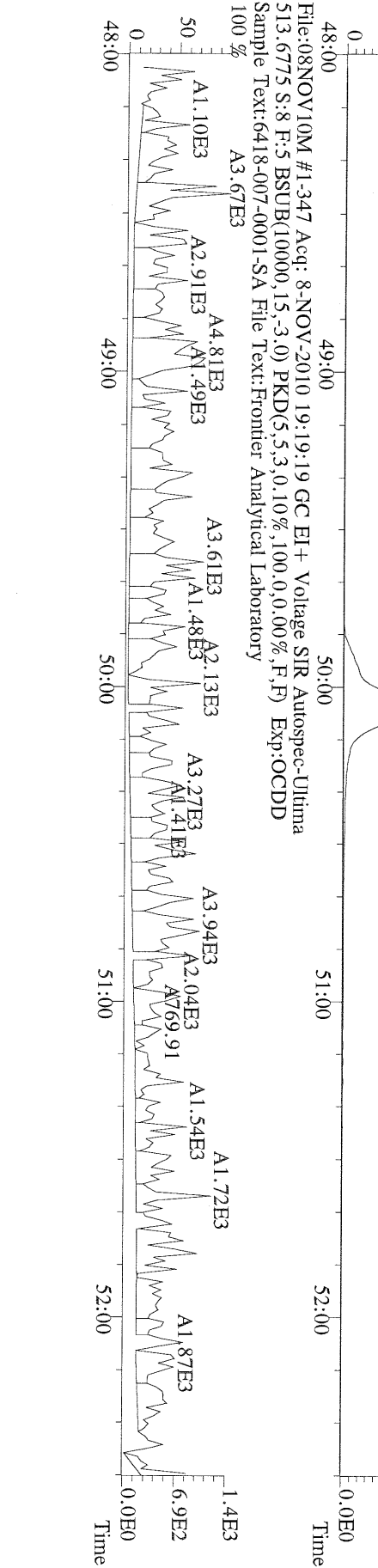
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



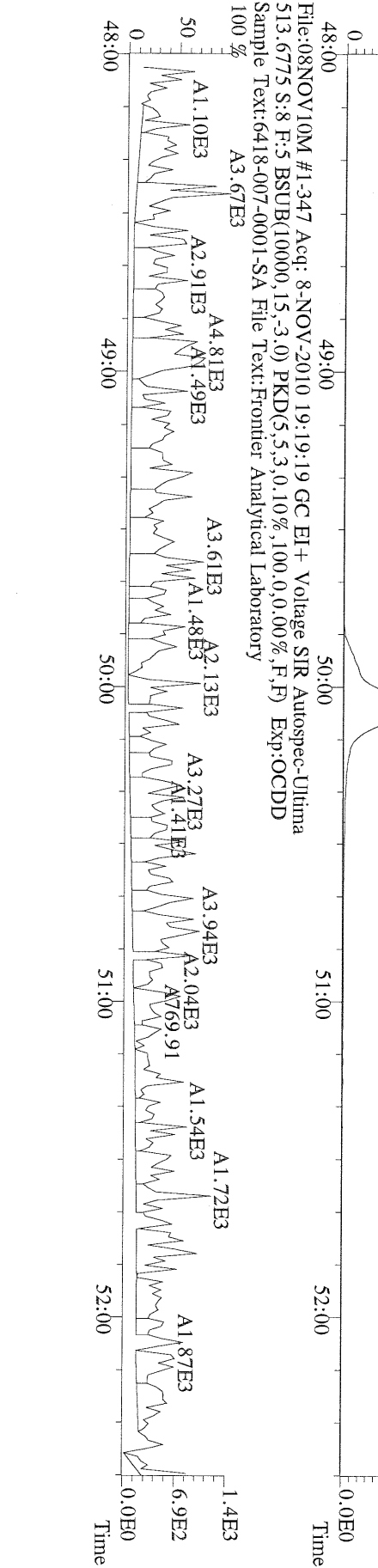
File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:08NOV10M #1-347 Acq: 8-NOV-2010 19:19:19 GC EI + Voltage SIR Autospec-Ultima
513.6775 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



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125 *11/11/10*

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL
2,3,7,8-TCDD	2.20e+05	0.76 y	27:27	1.11	4.21		2.50	-	*
1,2,3,7,8-PeCDD	1.05e+06	1.71 y	33:18	1.10	21.7		2.50	-	*
1,2,3,4,7,8-HxCDD	2.01e+06	1.33 y	38:40	1.37	34.0		2.50	-	*
1,2,3,6,7,8-HxCDD	1.46e+07	1.26 y	38:50	1.37	287		2.50	-	*
1,2,3,7,8,9-HxCDD	5.95e+06	1.30 y	39:17	1.36	109		2.50	-	*
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*	*	2.50	-	* <i>11,300</i>
OCDD	*	* n	NotFnd	1.43	*	*	2.50	-	* <i>130,000</i>
2,3,7,8-TCDF	1.61e+05	0.87 y	26:42	1.50	1.34		2.50	-	*
1,2,3,7,8-PeCDF	2.21e+05	1.41 y	31:33	0.94	3.04	J	2.50	-	*
2,3,4,7,8-PeCDF	1.02e+06	1.44 y	32:54	0.94	14.4		2.50	-	*
1,2,3,4,7,8-HxCDF	5.37e+06	1.21 y	37:17	0.93	87.9		2.50	-	*
1,2,3,6,7,8-HxCDF	2.33e+06	1.19 y	37:29	0.82	34.3		2.50	-	*
2,3,4,6,7,8-HxCDF	3.11e+06	1.17 y	38:26	0.92	50.9		2.50	-	*
1,2,3,7,8,9-HxCDF	4.18e+05	1.13 y	39:55	1.00	5.73		2.50	-	*
1,2,3,4,6,7,8-HpCDF	2.15e+08	1.09 y	42:22	1.39	3220		2.50	-	*
1,2,3,4,7,8,9-HpCDF	6.82e+06	1.06 y	45:12	1.36	113		2.50	-	*
OCDF	*	* n	NotFnd	0.79	*	*	2.50	-	* <i>18,700</i>
13C-2,3,7,8-TCDD	1.88e+07	0.74 y	27:26	1.02	388				Rec
13C-1,2,3,7,8-PeCDD	1.75e+07	1.73 y	33:17	0.84	439				97.1
13C-1,2,3,4,7,8-HxCDD	1.72e+07	1.28 y	38:39	1.07	393				110
13C-1,2,3,6,7,8-HxCDD	1.49e+07	1.28 y	38:49	1.01	360				98.3
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.86	*	*			90.0
13C-OCDD	*	* n	NotFnd	0.55	*	*			* <i>115%</i> * <i>127%</i>
13C-2,3,7,8-TCDF	3.21e+07	0.88 y	26:41	0.99	398				99.4
13C-1,2,3,7,8-PeCDF	3.08e+07	1.76 y	31:33	0.84	453				113
13C-2,3,4,7,8-PeCDF	3.04e+07	1.75 y	32:52	0.81	462				115
13C-1,2,3,4,7,8-HxCDF	2.63e+07	0.53 y	37:15	1.85	348				87.0
13C-1,2,3,6,7,8-HxCDF	3.31e+07	0.53 y	37:28	2.54	320				80.1
13C-2,3,4,6,7,8-HxCDF	2.66e+07	0.53 y	38:23	2.01	323				80.8
13C-1,2,3,7,8,9-HxCDF	2.93e+07	0.53 y	39:50	2.03	353				88.3
13C-1,2,3,4,6,7,8-HpCDF	1.92e+07	0.45 y	42:20	1.11	425				106
13C-1,2,3,4,7,8,9-HpCDF	1.77e+07	0.45 y	45:11	0.80	541				135
13C-OCDF	*	* n	NotFnd	1.08	*	*			* <i>117%</i>
37Cl-2,3,7,8-TCDD	5.44e+06		27:27	0.69	167				105
13C-1,2,3,4-TCDD	1.89e+07	0.75 y	26:51	-	8.43				
13C-1,2,3,4-TCDF	3.24e+07	0.88 y	25:35	-	8.97				
13C-1,2,3,7,8,9-HxCDD	1.63e+07	1.27 y	39:15	-	11.8				
Total Tetra-Dioxins	1.78e+06		24:26	1.11	34.0		2.50	-	* 15
Total Penta-Dioxins	6.97e+06		30:19	1.10	145		2.50	-	* 10
Total Hexa-Dioxins	9.37e+07		36:12	1.37	1730		2.50	-	* 7
Total Hepta-Dioxins	*		NotFnd	1.45	*	*	2.50	-	* 0 <i>23,700</i>
Total Tetra-Furans	5.18e+06		23:04	1.50	43.1		2.50	-	* 20
1st Fn. Tot Penta-Furans	7.60e+06		28:30	0.94	106		2.50	-	* PeCDF 1
Total Penta-Furans	8.91e+06		30:08	0.94	124		2.50	-	* 230 ✓ 11
Total Hexa-Furans	1.53e+08		35:19	0.91	2340	D,M	2.50	-	* 12
Total Hepta-Furans	8.14e+08		42:22	1.38	12700		2.50	-	* 4

Analyst: *J*

Date: *11/10/10*

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 1

Acquired: 9-NOV-10 23:02:10

Total Concentration: 34.0

Unnamed Concentration: 29.743

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:26	1.16e+05	1.36e+05	0.85 y	2.53e+05	4.83	
24:43	7.13e+04	9.47e+04	0.75 y	1.66e+05	3.17	
25:01	4.21e+04	4.90e+04	0.86 y	9.11e+04	1.74	
25:39	3.55e+04	4.21e+04	0.84 y	7.76e+04	1.48	
25:49	4.20e+04	5.64e+04	0.74 y	9.84e+04	1.88	
26:00	1.38e+05	1.74e+05	0.79 y	3.12e+05	5.97	
26:08	2.45e+04	3.01e+04	0.81 y	5.46e+04	1.04	
26:21	2.31e+04	2.78e+04	0.83 y	5.09e+04	0.973	
26:31	2.99e+04	4.08e+04	0.73 y	7.07e+04	1.35	
26:52	8.00e+04	9.60e+04	0.83 y	1.76e+05	3.36	
27:11	2.19e+04	2.55e+04	0.86 y	4.74e+04	0.906	
27:20	1.03e+04	1.19e+04	0.86 y	2.22e+04	0.425	
27:27	9.48e+04	1.25e+05	0.76 y	2.20e+05	4.21	2,3,7,8-TCDD
27:45	4.68e+04	5.34e+04	0.88 y	1.00e+05	1.92	
28:24	1.69e+04	1.93e+04	0.88 y	3.62e+04	0.692	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 2

Acquired: 9-NOV-10 23:02:10

Total Concentration: 145

Unnamed Concentration: 123.085

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:19	1.25e+06	7.41e+05	1.68 y	1.99e+06	41.3	
30:55	2.34e+05	1.45e+05	1.61 y	3.79e+05	7.87	
31:33	3.26e+05	1.93e+05	1.69 y	5.19e+05	10.8	
31:47	9.00e+05	5.42e+05	1.66 y	1.44e+06	29.9	
31:55	3.31e+05	1.99e+05	1.66 y	5.31e+05	11.0	
32:12	3.68e+05	2.24e+05	1.64 y	5.92e+05	12.3	
32:41	9.30e+04	5.81e+04	1.60 y	1.51e+05	3.14	
33:18	6.60e+05	3.85e+05	1.71 y	1.05e+06	21.7	1,2,3,7,8-PeCDD
33:25	8.85e+04	5.47e+04	1.62 y	1.43e+05	2.97	
33:54	1.14e+05	6.75e+04	1.68 y	1.81e+05	3.76	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 3

Acquired: 9-NOV-10 23:02:10

Total Concentration: 1730

Unnamed Concentration: 1295.428

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:12	1.50e+07	1.16e+07	1.29 y	2.65e+07	483	
37:08	1.57e+06	1.26e+06	1.25 y	2.83e+06	51.5	
37:34	2.28e+07	1.82e+07	1.25 y	4.10e+07	746	
38:40	1.15e+06	8.63e+05	1.33 y	2.01e+06	34.0	1,2,3,4,7,8-HxCDD
38:50	8.16e+06	6.46e+06	1.26 y	1.46e+07	287	1,2,3,6,7,8-HxCDD
39:07	4.52e+05	3.37e+05	1.34 y	7.89e+05	14.4	
39:17	3.37e+06	2.59e+06	1.30 y	5.95e+06	109	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 1

Acquired: 9-NOV-10 23:02:10

Total Concentration: 43.1

Unnamed Concentration: 41.717

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:04	4.32e+04	5.11e+04	0.85 y	9.43e+04	0.783	
23:26	8.99e+04	1.22e+05	0.74 y	2.12e+05	1.76	
23:49	6.29e+05	7.91e+05	0.79 y	1.42e+06	11.8	
24:13	1.65e+05	1.93e+05	0.85 y	3.58e+05	2.97	
24:28	1.58e+05	1.96e+05	0.81 y	3.55e+05	2.95	
24:46	2.63e+05	3.24e+05	0.81 y	5.87e+05	4.87	
24:59	4.01e+04	4.57e+04	0.88 y	8.58e+04	0.712	
25:22	6.40e+04	8.84e+04	0.72 y	1.52e+05	1.27	
25:28	2.56e+05	3.05e+05	0.84 y	5.61e+05	4.66	
25:36	7.32e+04	9.40e+04	0.78 y	1.67e+05	1.39	
25:58	5.30e+04	6.86e+04	0.77 y	1.22e+05	1.01	
26:11	2.85e+04	3.97e+04	0.72 y	6.82e+04	0.567	
26:19	3.17e+04	3.74e+04	0.85 y	6.91e+04	0.574	
26:31	3.13e+04	4.00e+04	0.78 y	7.13e+04	0.592	
26:36	4.03e+04	4.71e+04	0.86 y	8.74e+04	0.726	
26:42	7.47e+04	8.62e+04	0.87 y	1.61e+05	1.34	2,3,7,8-TCDF
27:02	6.48e+04	8.84e+04	0.73 y	1.53e+05	1.27	
27:57	3.80e+04	4.52e+04	0.84 y	8.31e+04	0.691	
28:09	3.53e+04	4.35e+04	0.81 y	7.88e+04	0.655	
28:31	1.33e+05	1.65e+05	0.81 y	2.98e+05	2.48	

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

Run: 15 File: 09NOV10M S: 11 I: 1 F: 1
Acquired: 9-NOV-10 23:02:10

Total Concentration: 106 Unnamed Concentration: 105.790

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:30	4.61e+06	2.99e+06 1.54 y	7.60e+06	106	

Totals class: Total Penta-Furans

Entry #: 44

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 2

Acquired: 9-NOV-10 23:02:10

Total Concentration: 124

Unnamed Concentration: 106.756

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:08	2.49e+05	1.71e+05	1.46 y	4.21e+05	5.85	
30:18	2.54e+06	1.73e+06	1.46 y	4.27e+06	59.4	
30:47	4.84e+04	3.40e+04	1.42 y	8.24e+04	1.15	
31:00	9.07e+05	6.27e+05	1.45 y	1.53e+06	21.4	
31:19	7.35e+04	5.58e+04	1.32 y	1.29e+05	1.80	
31:33	1.29e+05	9.17e+04	1.41 y	2.21e+05	3.04	1,2,3,7,8-PeCDF
31:54	3.12e+05	2.15e+05	1.45 y	5.26e+05	7.33	
32:45	5.72e+04	4.01e+04	1.43 y	9.73e+04	1.36	
32:54	6.05e+05	4.19e+05	1.44 y	1.02e+06	14.4	2,3,4,7,8-PeCDF
32:56	2.97e+05	2.07e+05	1.44 y	5.03e+05	7.00	
34:13	6.55e+04	4.23e+04	1.55 y	1.08e+05	1.50	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 3

Acquired: 9-NOV-10 23:02:10

Total Concentration: 2340

Unnamed Concentration: 2157.527

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:19	5.74e+06	4.78e+06	1.20 y	1.05e+07	160	
35:34	2.28e+07	1.87e+07	1.22 y	4.16e+07	633	
36:12	5.69e+05	4.60e+05	1.24 y	1.03e+06	15.7	
36:29	4.80e+07	3.94e+07	1.22 y	8.73e+07	1330	
37:07	2.01e+05	1.64e+05	1.23 y	3.65e+05	5.56	
37:17	2.94e+06	2.43e+06	1.21 y	5.37e+06	87.9	1,2,3,4,7,8-HxCDF
37:29	1.27e+06	1.07e+06	1.19 y	2.33e+06	34.3	1,2,3,6,7,8-HxCDF
37:56	1.41e+05	1.21e+05	1.16 y	2.62e+05	3.99	
38:12	1.86e+05	1.61e+05	1.16 y	3.47e+05	5.29	
38:26	1.67e+06	1.43e+06	1.17 y	3.11e+06	50.9	2,3,4,6,7,8-HxCDF
38:50	6.31e+04	5.59e+04	1.13 y	1.19e+05	1.81	
39:55	2.22e+05	1.96e+05	1.13 y	4.18e+05	5.73	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 15

File: 09NOV10M

S: 11 I: 1 F: 4

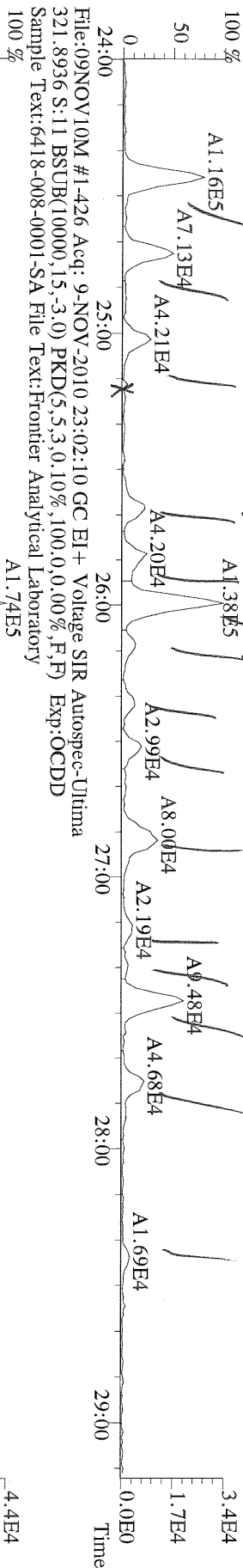
Acquired: 9-NOV-10 23:02:10

Total Concentration: 12700

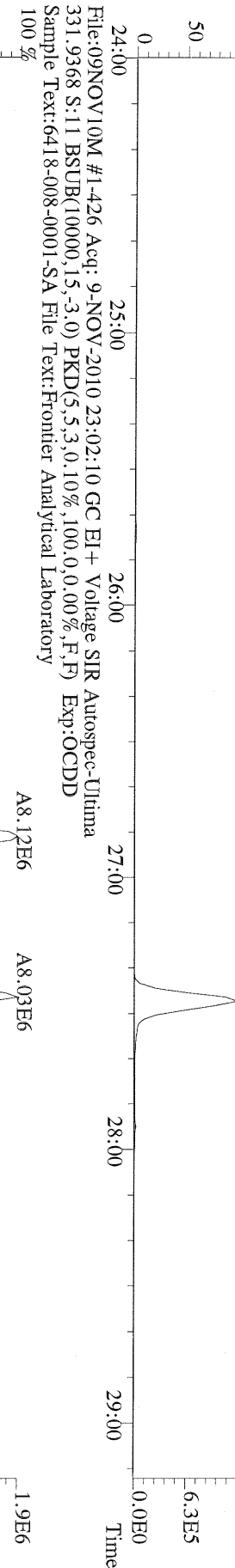
Unnamed Concentration: 9321.190

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:22	1.12e+08	1.03e+08	1.09 y	2.15e+08	3220	1,2,3,4,6,7,8-HpCDF
42:55	1.48e+06	1.49e+06	0.99 y	2.98e+06	46.8	
43:12	3.11e+08	2.79e+08	1.11 y	5.90e+08	9270	
45:12	3.52e+06	3.30e+06	1.06 y	6.82e+06	113	1,2,3,4,7,8,9-HpCDF

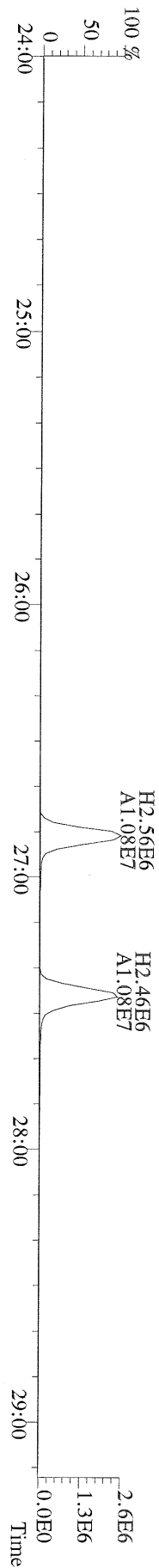
File:09NOV10M #1-426 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



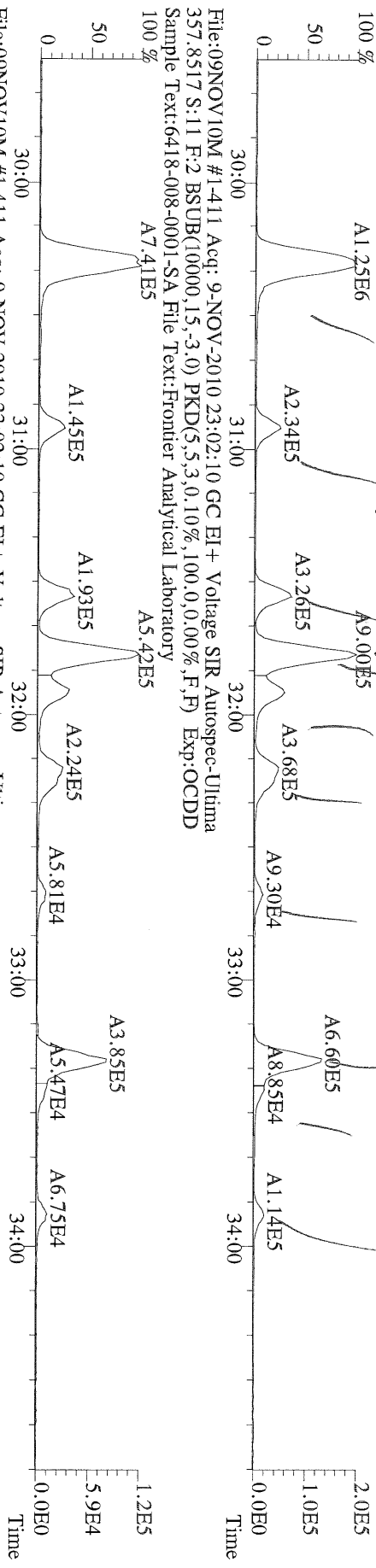
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327.8847 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



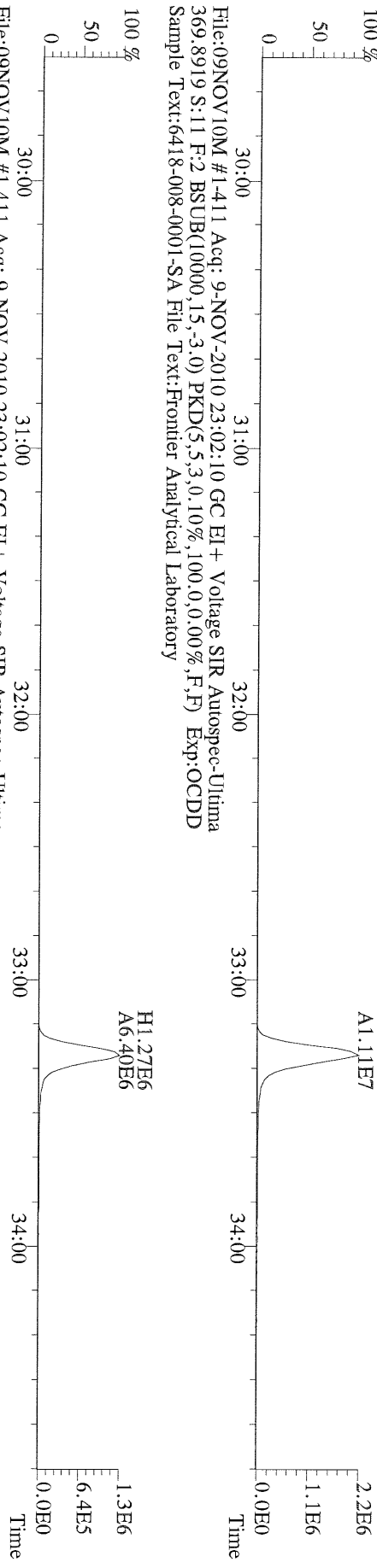
File:09NOV10M #1-426 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



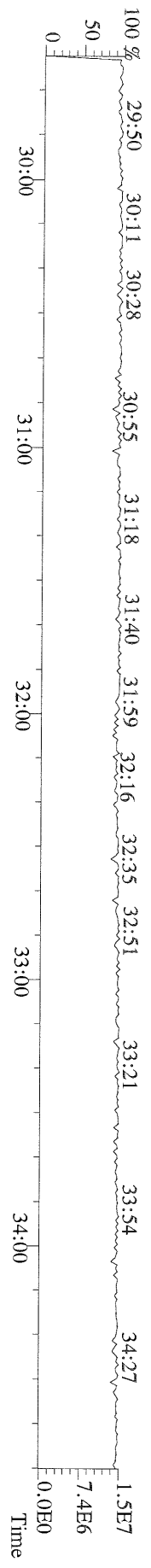
File:09NOV10M #1-411 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
355.8546 S:11 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



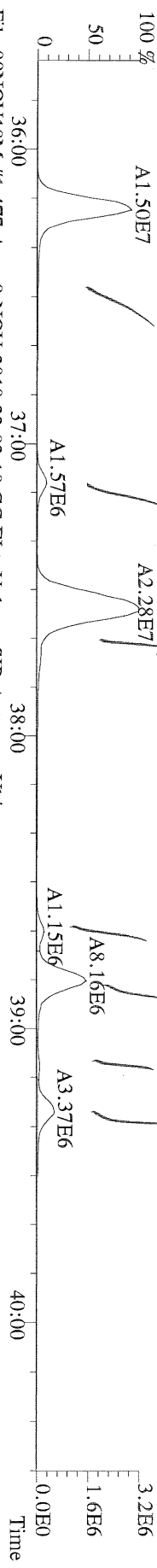
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367.8949 S:11 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



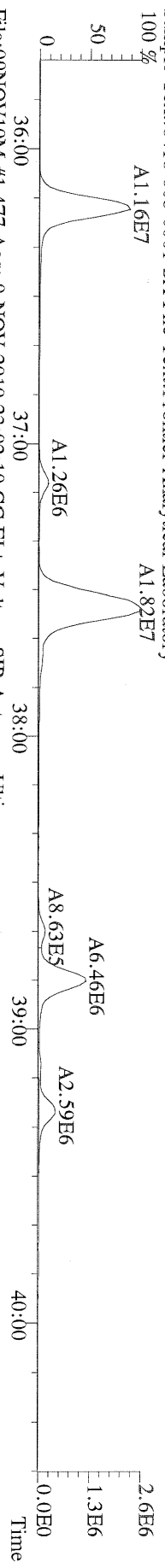
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366.9792 S:11 F:2 Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



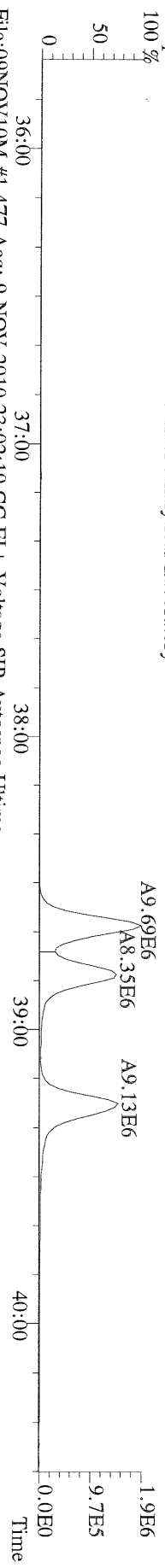
File:09NOV10M #1-477 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Utima
 389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



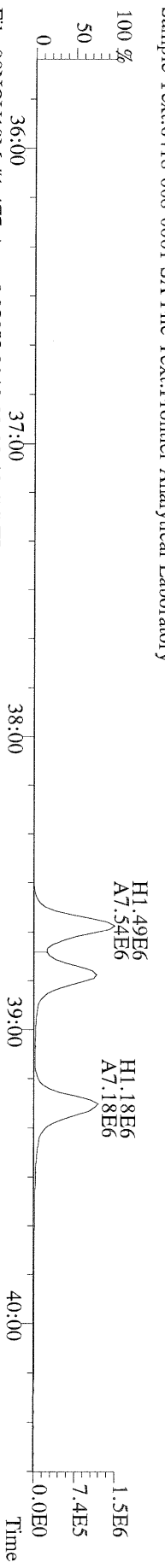
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 391.8127 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



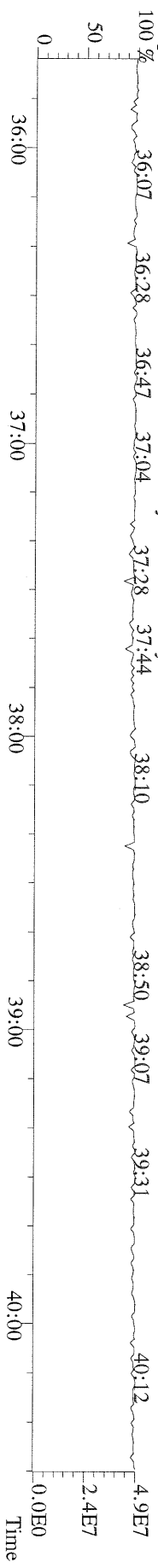
File:09NOV10M #1-477 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Utima
 401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



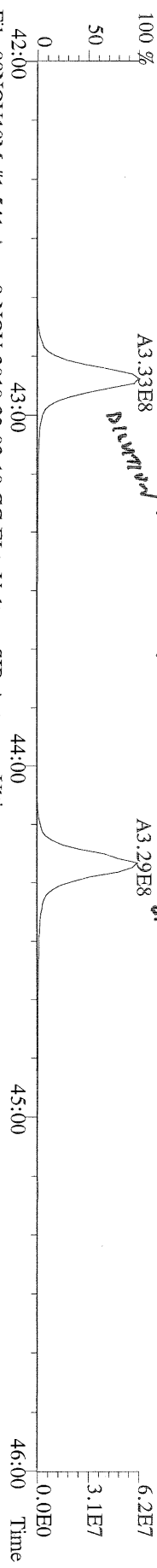
File:09NOV10M #1-477 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Utima
 403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



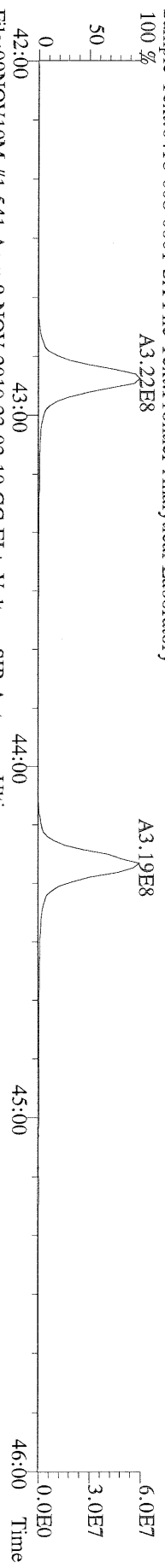
File:09NOV10M #1-477 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Utima
 380.9760 S:11 F:3 Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



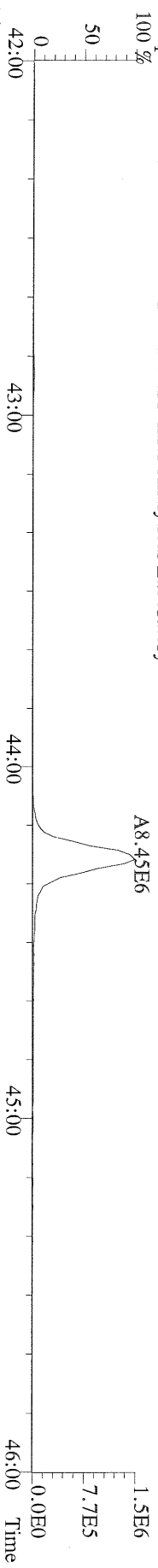
File:09NOV10M #1-541 Acq: 9-NOV-2010 23:02:10 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



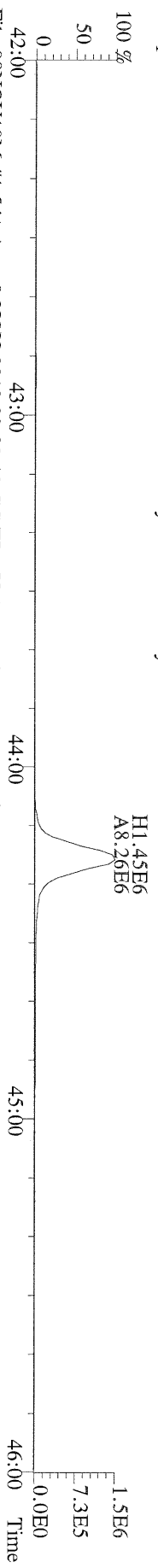
File:09NOV10M #1-541 Acq: 9-NOV-2010 23:02:10 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



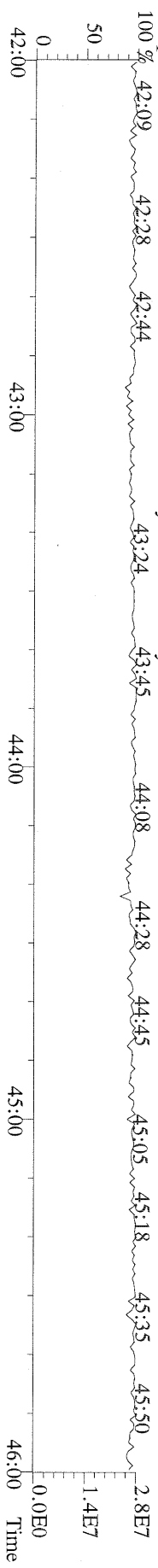
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435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



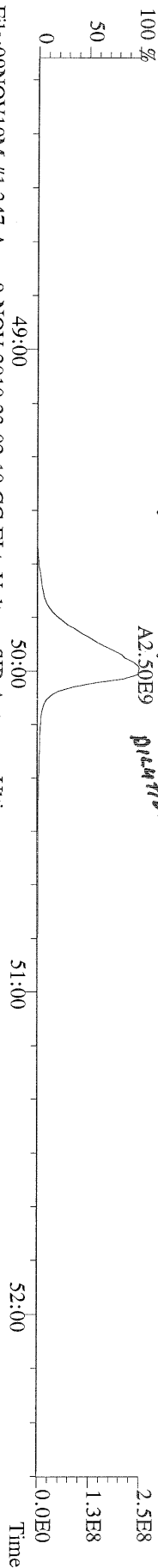
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437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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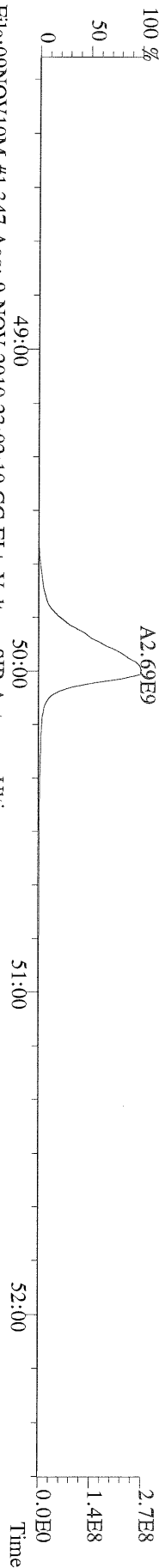
File:09NOV10M #1-541 Acq: 9-NOV-2010 23:02:10 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:11 F:4 Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



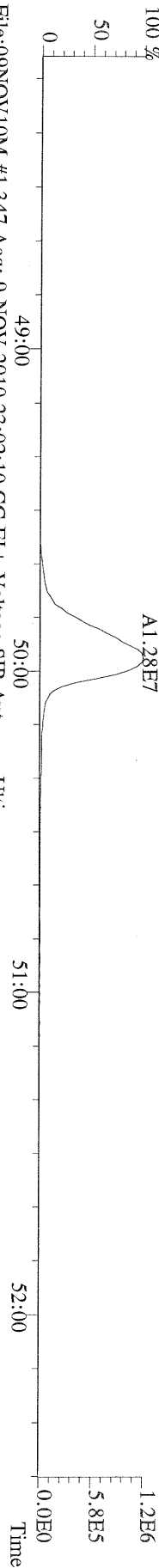
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 457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
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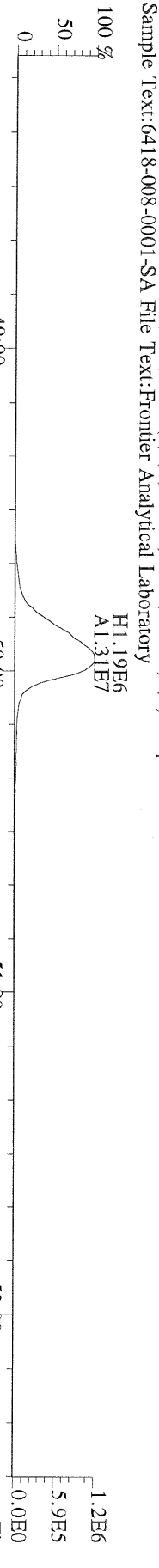
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 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
 100 %



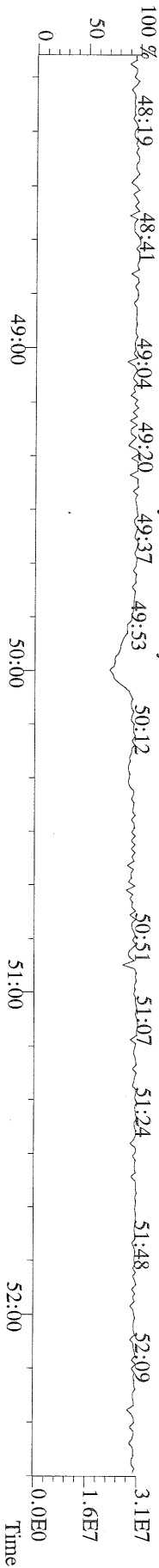
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 469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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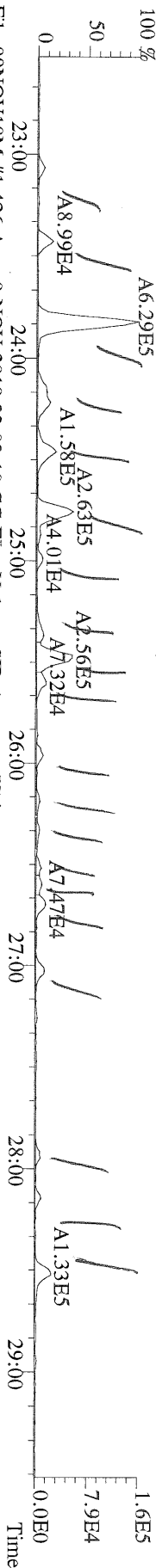
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 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



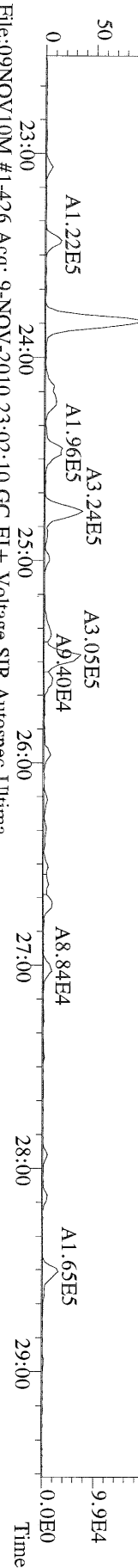
File:09NOV10M #1-347 Acq: 9-NOV-2010 23:02:10 GC EI+ Voltage SIR Autospec-Ultima
 454.9728 S:11 F:5 Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



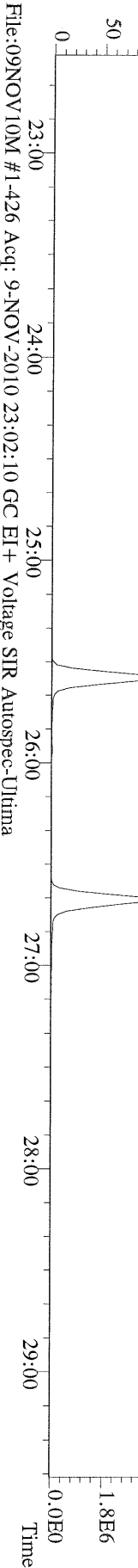
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 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



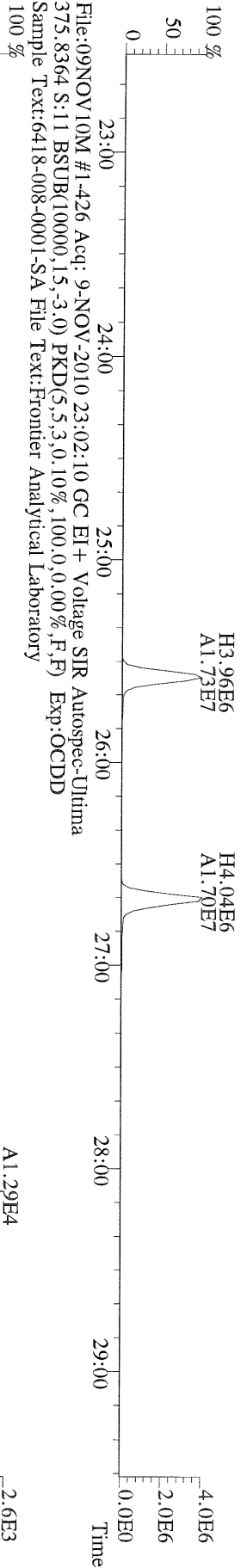
File:09NOV10M #1-426 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
 305.8987 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-426 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
 315.9419 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory

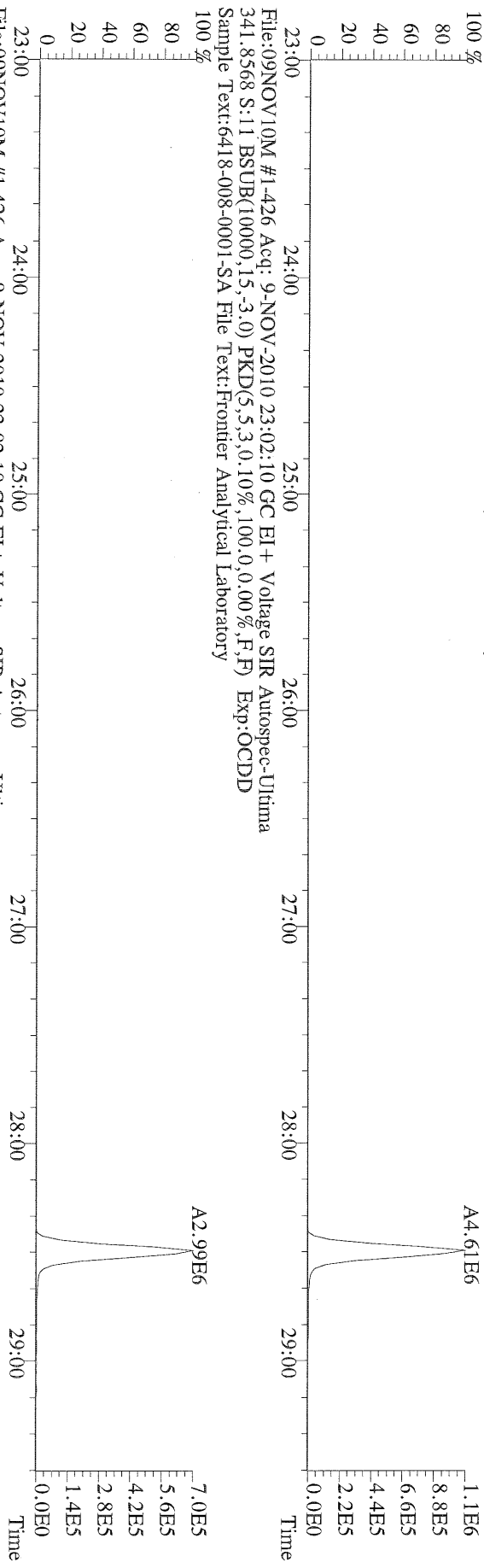


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 317.9389 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory

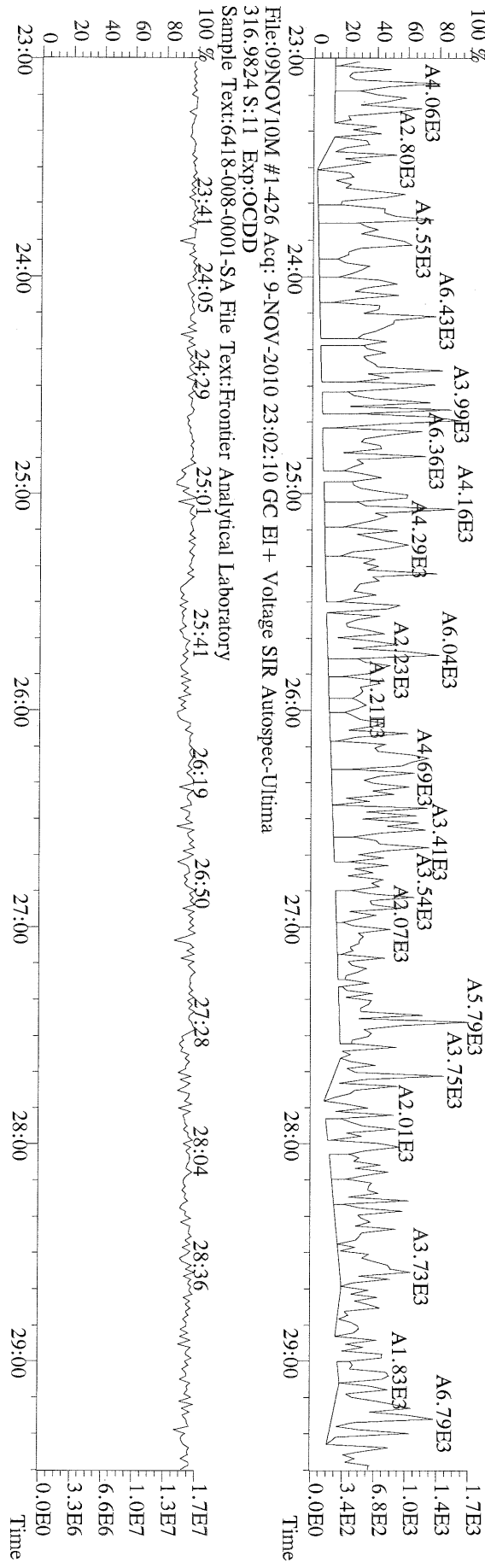


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 375.8364 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory

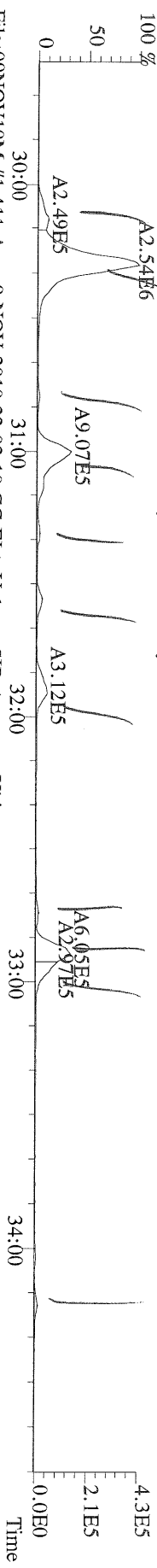
File:09NOV10M #1-426 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Utima
 339.8597 S:1.1 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



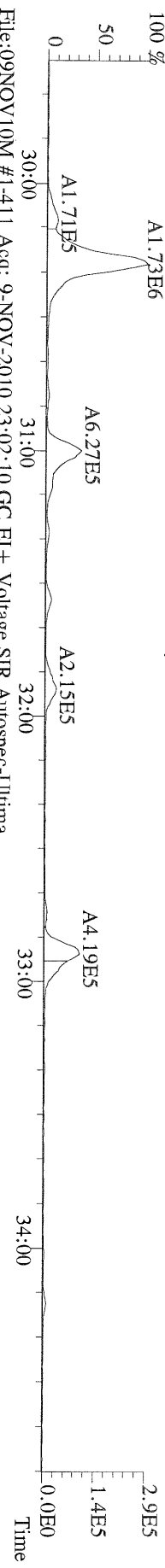
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 409.7974 S:1.1 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



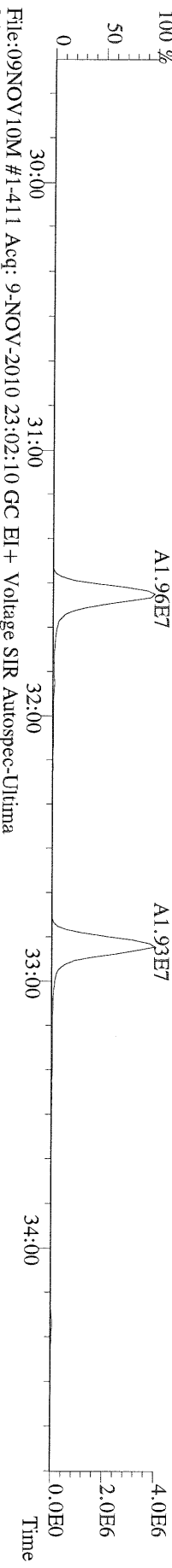
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Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



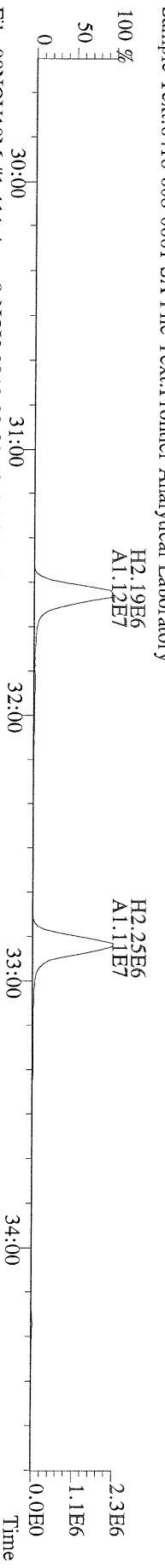
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341.8568 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



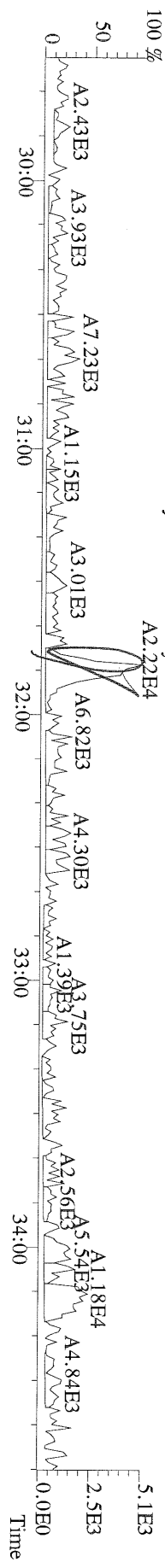
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351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



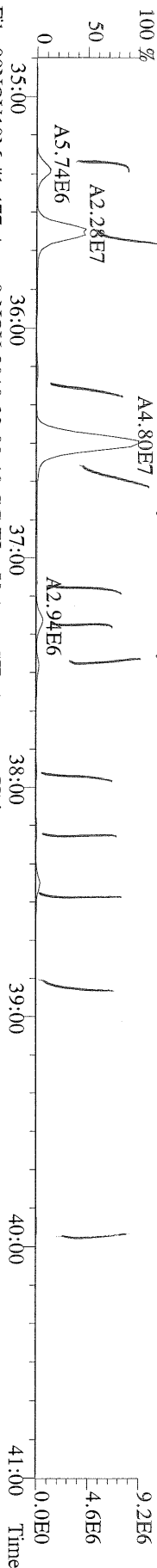
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353.8970 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



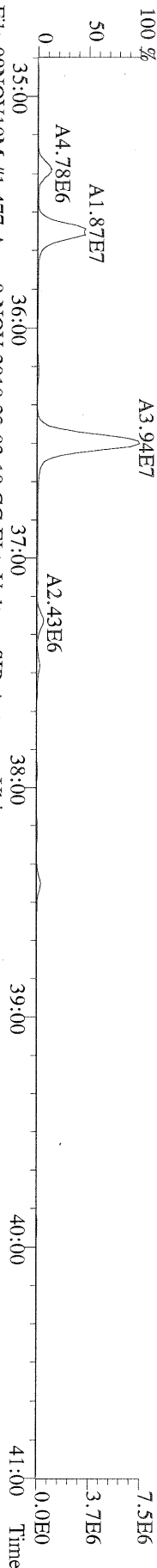
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409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



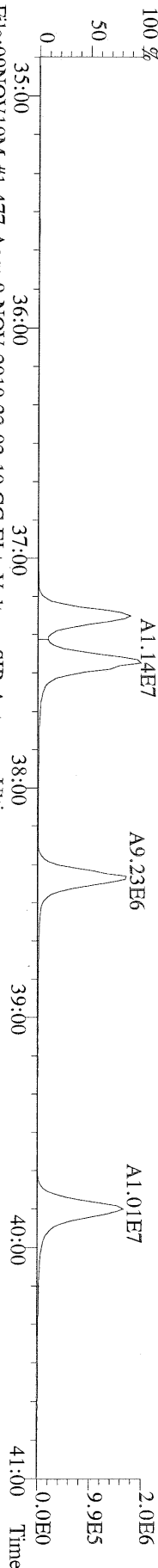
File:09NOV10M #1-477 Acq: 9-NOV-2010 23:02:10 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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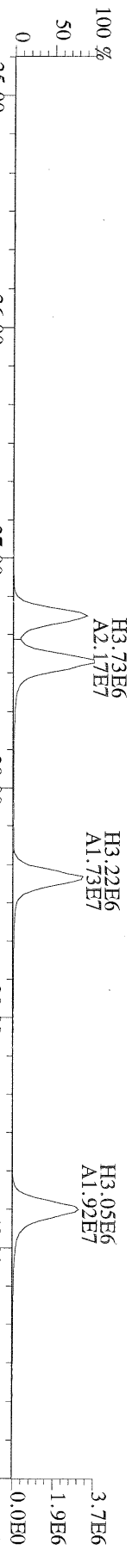
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375.8178 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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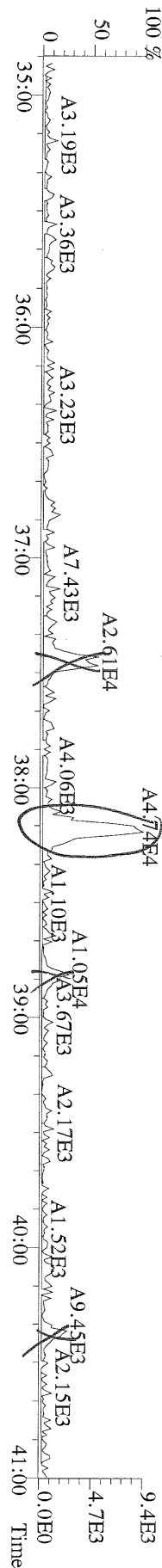
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383.8639 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



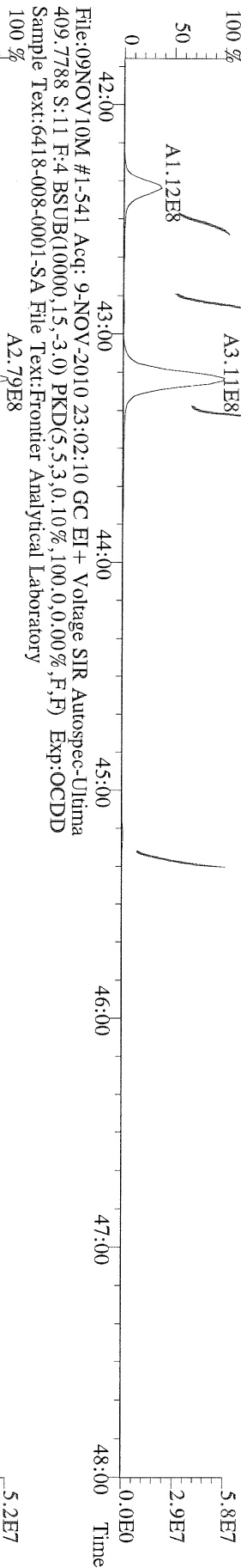
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385.8610 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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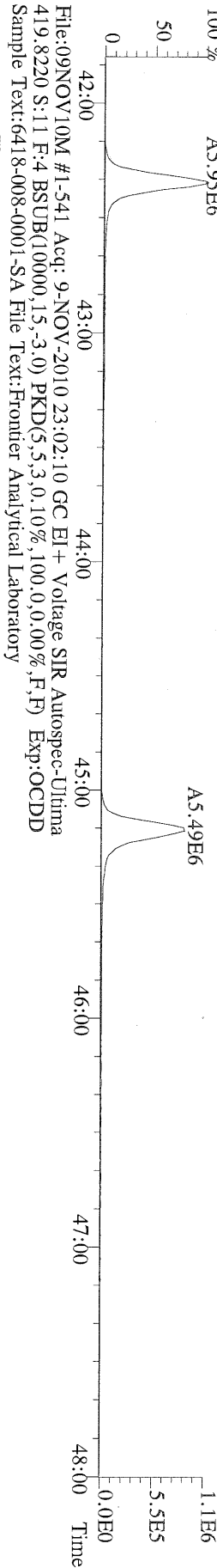
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445.7555 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



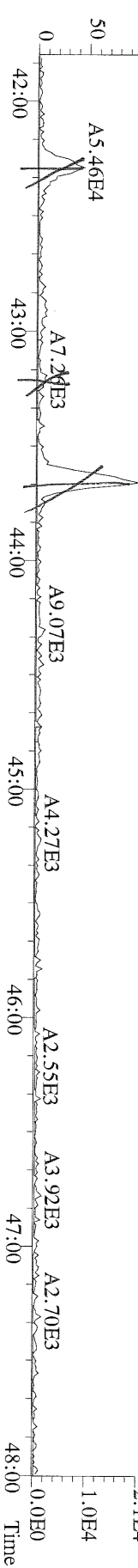
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407.7818 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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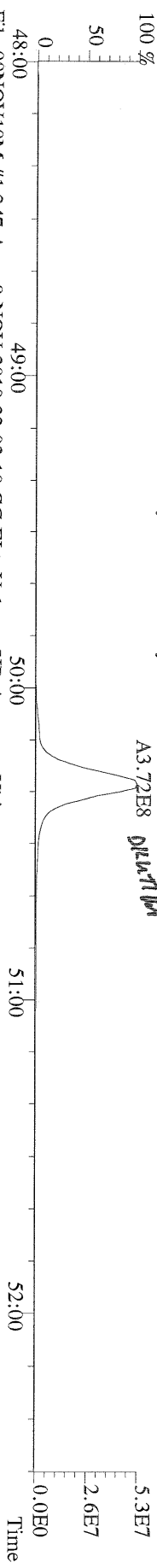
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417.8253 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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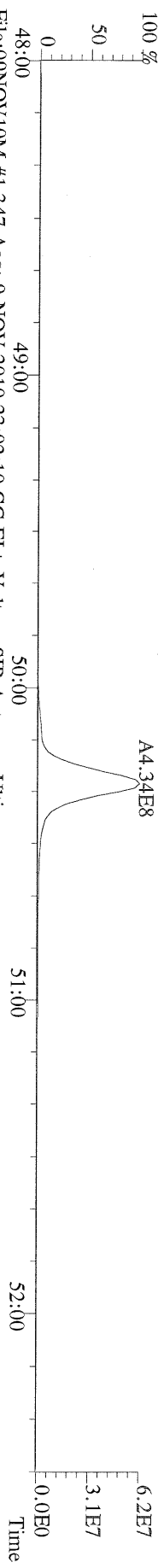
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479.7165 S:11 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



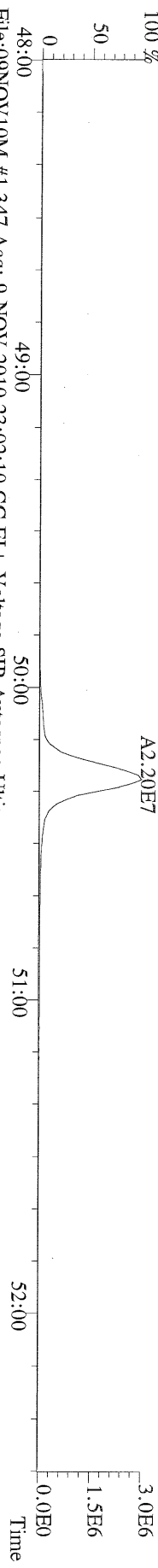
File:09NOV10M #1-347 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



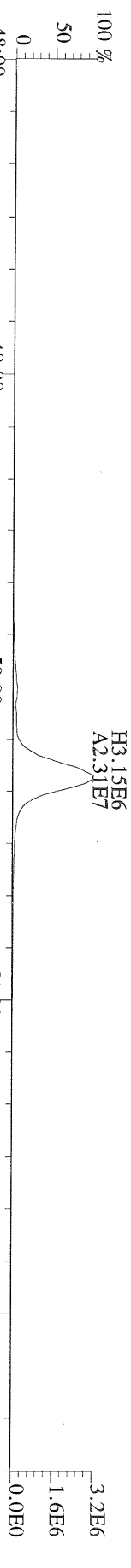
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443.7398 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
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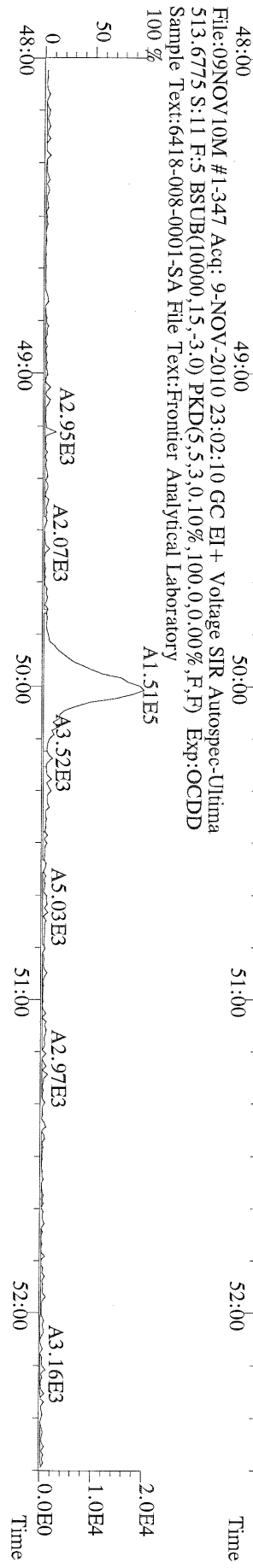
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453.7831 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-347 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
455.7801 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-347 Acq: 9-NOV-2010 23:02:10 GC EI + Voltage SIR Autospec-Ultima
513.6775 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 13

File: 09NOV10M

S: 9 I: 1 F: 4

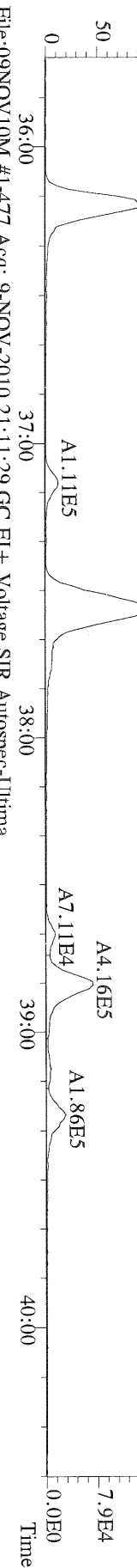
Acquired: 9-NOV-10 21:11:29

Total Concentration: 23700

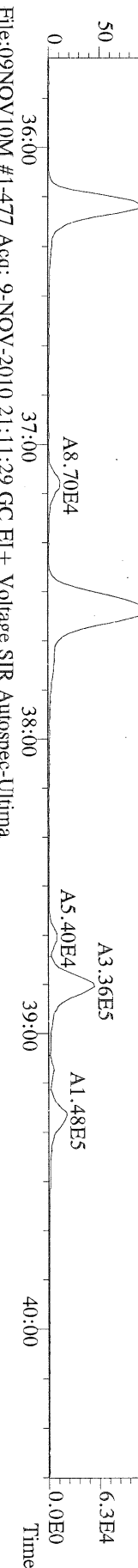
Unnamed Concentration: 12385.298

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:53	1.61e+07	1.56e+07	1.03 y	3.16e+07	12400	
44:16	1.45e+07	1.43e+07	1.01 y	2.88e+07	11300	1,2,3,4,6,7,8-HpCDD

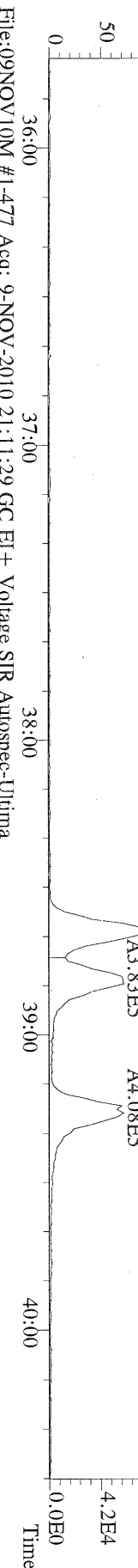
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 389.8156 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
 100 %



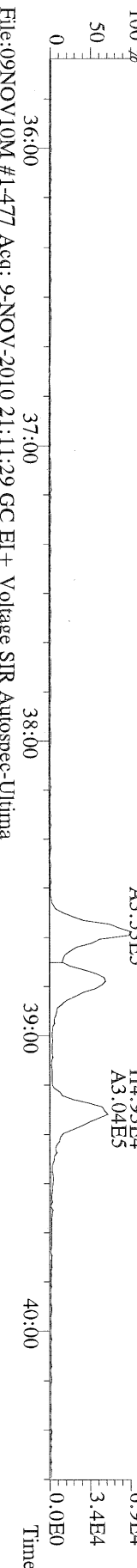
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 391.8127 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
 100 %



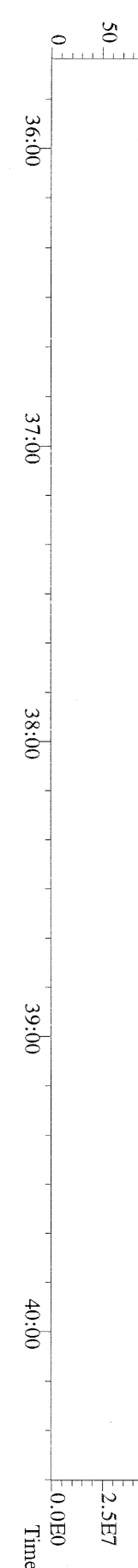
File:09NOV10M #1-477 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
 100 %



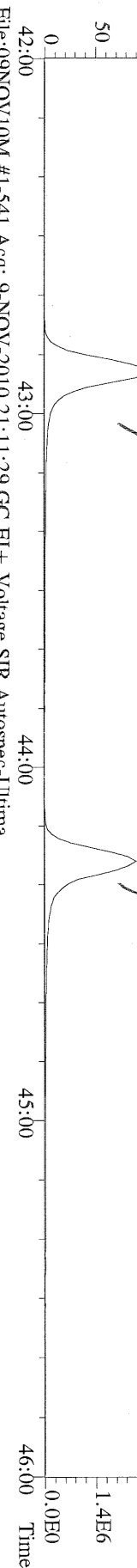
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 403.8530 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
 100 %



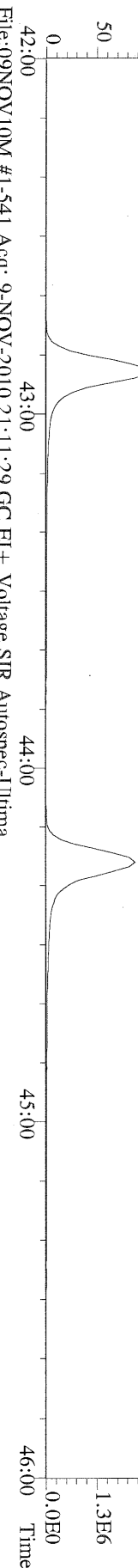
File:09NOV10M #1-477 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
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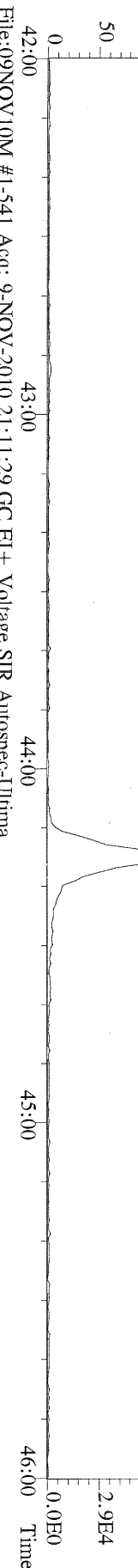
File:09NOV10M #1-541 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Utima
423.7767 S:9 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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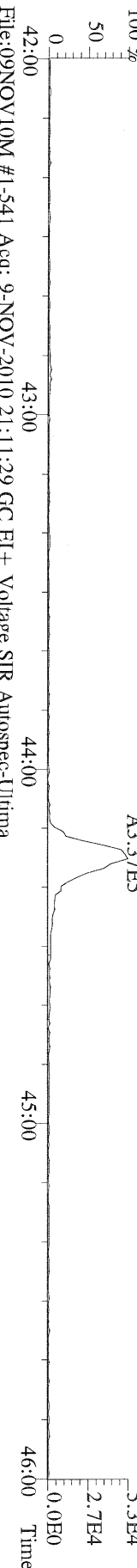
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425.7737 S:9 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



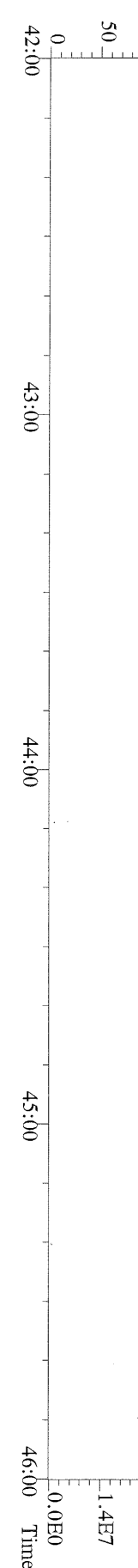
File:09NOV10M #1-541 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Utima
435.8169 S:9 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



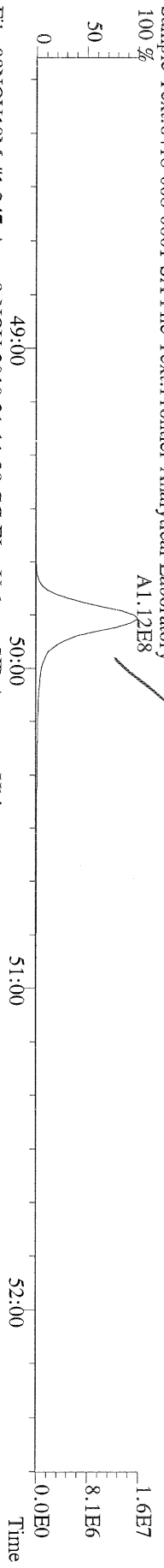
File:09NOV10M #1-541 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Utima
437.8140 S:9 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



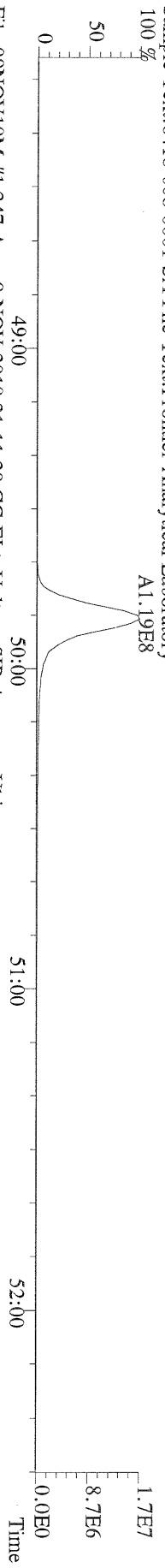
File:09NOV10M #1-541 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Utima
430.9728 S:9 F:4 Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



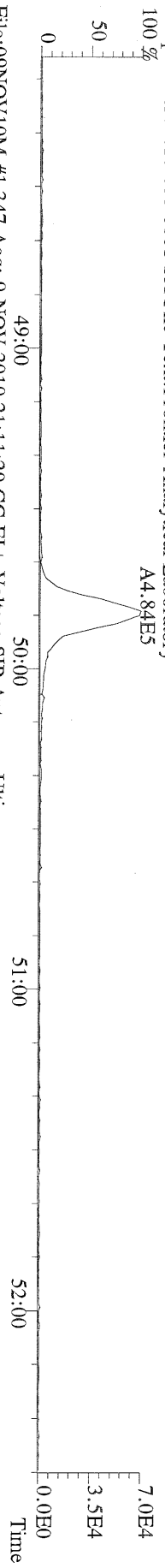
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



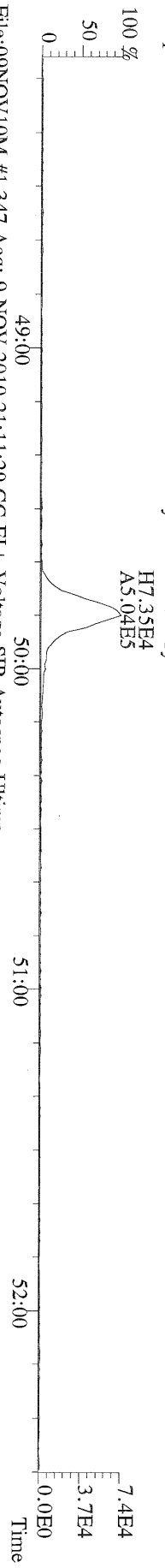
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



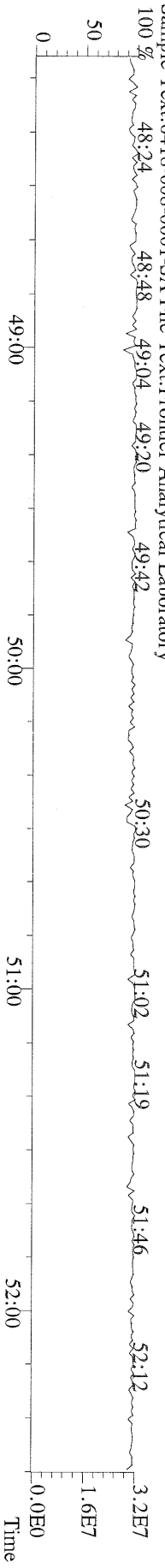
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



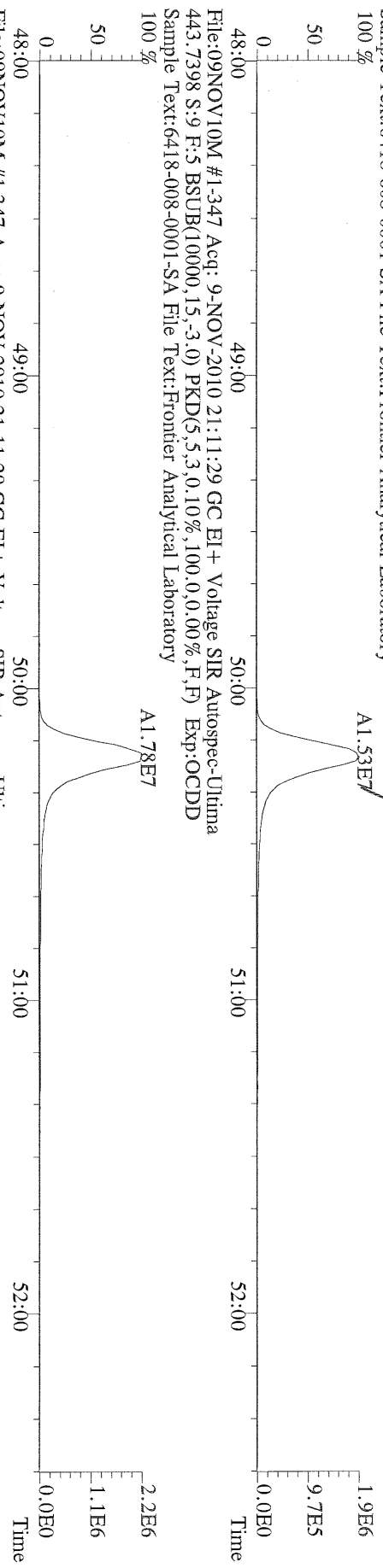
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



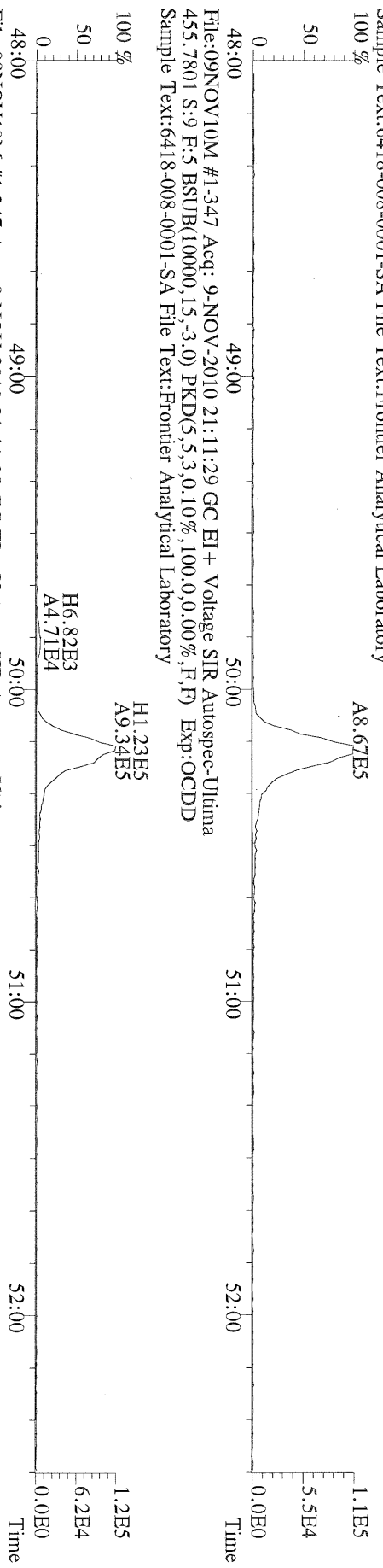
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:9 F:5 Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



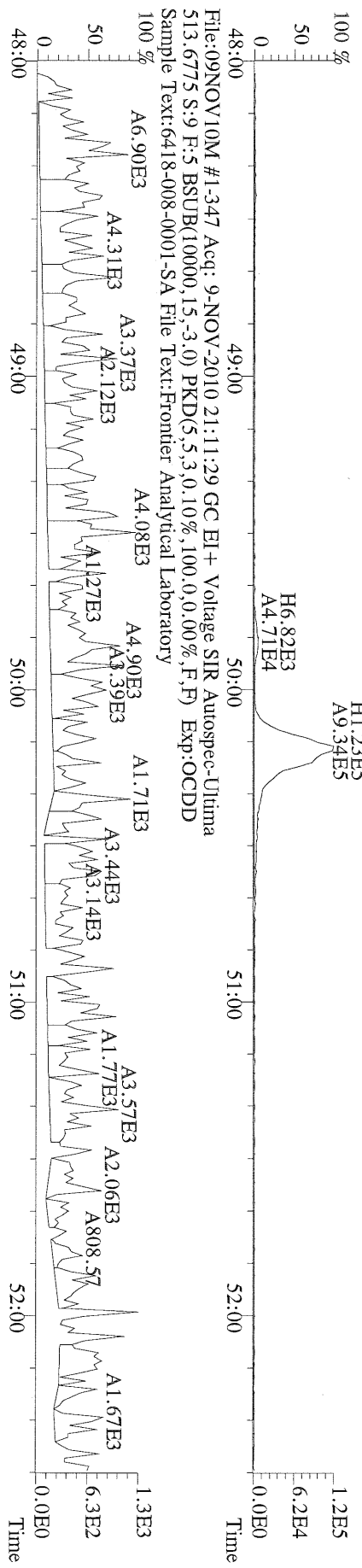
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



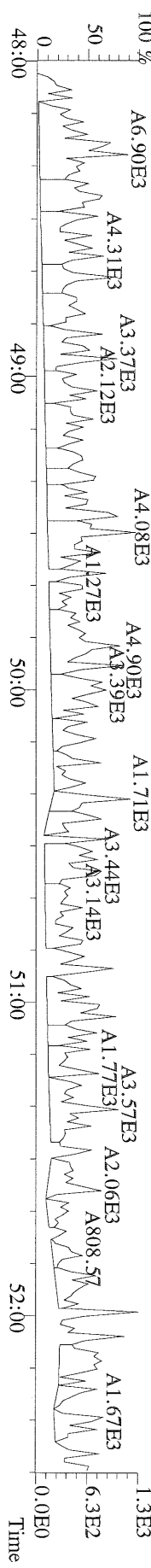
File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-008-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-347 Acq: 9-NOV-2010 21:11:29 GC EI+ Voltage SIR Autospec-Ultima
513.6775 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:6418-008-0001-SA File Text:Frontier Analytical Laboratory



NATO 1989 Tox: 507
 WHO 1998 Tox: 567 WHO 2005 Tox:

1649
547 *PN*
11/10/10

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	
2,3,7,8-TCDD	1.32e+06	0.78 y	27:28	1.11	21.4		2.50	-	*	
1,2,3,7,8-PeCDD	7.53e+06	1.67 y	33:18	1.10	121		2.50	-	*	
1,2,3,4,7,8-HxCDD	1.40e+07	1.27 y	38:40	1.37	185		2.50	-	*	
1,2,3,6,7,8-HxCDD	1.17e+08	1.29 y	38:51	1.37	1720		2.50	-	*	
1,2,3,7,8,9-HxCDD	4.70e+07	1.29 y	39:17	1.36	661		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*	*	2.50	-	*	
OCDD	*	* n	NotFnd	1.43	*	*	2.50	-	*	
2,3,7,8-TCDF	6.19e+05	0.86 y	26:42	1.50	4.06 <i>OK</i>	F	2.50	-	*	
1,2,3,7,8-PeCDF	1.40e+06	1.48 y	31:34	0.94	14.2		2.50	-	*	
2,3,4,7,8-PeCDF	9.15e+06	1.50 y	32:53	0.94	99.1		2.50	-	*	
1,2,3,4,7,8-HxCDF	4.74e+07	1.19 y	37:17	0.93	597		2.50	-	*	
1,2,3,6,7,8-HxCDF	1.87e+07	1.25 y	37:28	0.82	210	D,M	2.50	-	*	
2,3,4,6,7,8-HxCDF	2.26e+07	1.20 y	38:25	0.92	278		2.50	-	*	
1,2,3,7,8,9-HxCDF	2.50e+06	1.15 y	39:54	1.00	26.0		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*	*	2.50	-	*	
1,2,3,4,7,8,9-HpCDF	5.70e+07	1.07 y	45:13	1.36	690		2.50	-	*	
OCDF	*	* n	NotFnd	0.79	*	*	2.50	-	*	
									Rec	
13C-2,3,7,8-TCDD	2.21e+07	0.70 y	27:27	1.02	381				95.6	
13C-1,2,3,7,8-PeCDD	2.25e+07	1.69 y	33:17	0.84	472				118	
13C-1,2,3,4,7,8-HxCDD	2.19e+07	1.25 y	38:39	1.07	370				92.8	
13C-1,2,3,6,7,8-HxCDD	1.97e+07	1.29 y	38:49	1.01	354				88.8	
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.86	*	*			*	
13C-OCDD	*	* n	NotFnd	0.55	*	*			*	
13C-2,3,7,8-TCDF	4.04e+07	0.88 y	26:41	0.99	400				100	
13C-1,2,3,7,8-PeCDF	4.16e+07	1.76 y	31:32	0.84	489				123	
13C-2,3,4,7,8-PeCDF	3.93e+07	1.71 y	32:52	0.81	476				119	
13C-1,2,3,4,7,8-HxCDF	3.41e+07	0.52 y	37:15	1.85	334				83.9	
13C-1,2,3,6,7,8-HxCDF	4.32e+07	0.53 y	37:28	2.54	309				77.5	
13C-2,3,4,6,7,8-HxCDF	3.53e+07	0.53 y	38:23	2.01	317				79.7	
13C-1,2,3,7,8,9-HxCDF	3.84e+07	0.53 y	39:50	2.03	343				86.1	
13C-1,2,3,4,6,7,8-HpCDF	2.81e+07	0.47 y	42:23	1.11	459	*			115 114!	
13C-1,2,3,4,7,8,9-HpCDF	2.43e+07	0.44 y	45:12	0.80	548				137	
13C-OCDF	*	* n	NotFnd	1.08	*	*			* 118!	
37Cl-2,3,7,8-TCDD	6.39e+06		27:28	0.69	164				103	
13C-1,2,3,4-TCDD	2.26e+07	0.73 y	26:51	-	10.0					
13C-1,2,3,4-TCDF	4.05e+07	0.85 y	25:35	-	11.2					
13C-1,2,3,7,8,9-HxCDD	2.20e+07	1.28 y	39:16	-	15.9					
							Fac Noise-1	Noise-2	DL	#Hom
Total Tetra-Dioxins	7.93e+06		24:27	1.11	129		2.50	-	*	16
Total Penta-Dioxins	4.73e+07		30:18	1.10	760		2.50	-	*	10
Total Hexa-Dioxins	7.23e+08		36:13	1.37	10200		2.50	-	*	7
Total Hepta-Dioxins	*		NotFnd	1.45	*	*	2.50	-	*	0 138,000
Total Tetra-Furans	2.56e+07		23:05	1.50	168	D,M	2.50	-	*	21
1st Fn. Tot Penta-Furans	5.97e+07		28:30	0.94	627	D,M	2.50	-	*	PeCDF 1
Total Penta-Furans	6.48e+07		30:08	0.94	683	D,M	2.50	-	*	1310 14
Total Hexa-Furans	1.21e+09		35:19	0.91	14100	D,M	2.50	-	*	12
Total Hepta-Furans	7.00e+07		42:56	1.38	834	*	2.50	-	*	2 72,400

Analyst: *J* Date: *11/10/10*

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 1

Acquired: 9-NOV-10 23:57:29

Total Concentration: 129

Unnamed Concentration: 107.281

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:27	3.02e+05	3.98e+05	0.76 y	7.00e+05	11.4	
24:43	2.03e+05	2.69e+05	0.75 y	4.72e+05	7.66	
25:02	2.01e+05	2.59e+05	0.77 y	4.60e+05	7.47	
25:39	1.53e+05	1.90e+05	0.80 y	3.43e+05	5.57	
25:49	1.89e+05	2.59e+05	0.73 y	4.48e+05	7.27	
26:00	8.19e+05	1.10e+06	0.74 y	1.92e+06	31.2	
26:09	8.59e+04	1.09e+05	0.79 y	1.95e+05	3.16	
26:22	1.02e+05	1.28e+05	0.80 y	2.29e+05	3.72	
26:32	1.29e+05	1.70e+05	0.76 y	2.99e+05	4.86	
26:52	3.37e+05	4.28e+05	0.79 y	7.65e+05	12.4	
27:11	6.10e+04	7.55e+04	0.81 y	1.37e+05	2.22	
27:20	3.16e+04	4.41e+04	0.72 y	7.57e+04	1.23	
27:28	5.75e+05	7.42e+05	0.78 y	1.32e+06	21.4	2,3,7,8-TCDD
27:46	1.70e+05	2.15e+05	0.79 y	3.86e+05	6.26	
27:53	2.47e+04	3.14e+04	0.78 y	5.61e+04	0.910	
28:24	5.26e+04	6.89e+04	0.76 y	1.21e+05	1.97	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 2

Acquired: 9-NOV-10 23:57:29

Total Concentration: 760

Unnamed Concentration: 639.206

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:18	7.58e+06	4.52e+06	1.68 y	1.21e+07	195	
30:55	1.73e+06	1.04e+06	1.66 y	2.77e+06	44.5	
31:33	2.01e+06	1.19e+06	1.69 y	3.21e+06	51.5	
31:46	7.13e+06	4.32e+06	1.65 y	1.15e+07	184	
31:54	2.18e+06	1.32e+06	1.65 y	3.50e+06	56.3	
32:12	2.33e+06	1.43e+06	1.63 y	3.75e+06	60.3	
32:41	6.64e+05	4.16e+05	1.60 y	1.08e+06	17.4	
33:18	4.71e+06	2.82e+06	1.67 y	7.53e+06	121	1,2,3,7,8-PeCDD
33:24	5.59e+05	3.65e+05	1.53 y	9.23e+05	14.8	
33:53	5.96e+05	3.91e+05	1.53 y	9.87e+05	15.9	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 3

Acquired: 9-NOV-10 23:57:29

Total Concentration: 10200

Unnamed Concentration: 7616.520

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:13	1.13e+08	8.98e+07	1.26 y	2.03e+08	2830	
37:08	1.01e+07	8.01e+06	1.27 y	1.81e+07	254	
37:34	1.80e+08	1.40e+08	1.28 y	3.20e+08	4470	
38:40	7.81e+06	6.16e+06	1.27 y	1.40e+07	185	1,2,3,4,7,8-HxCDD
38:51	6.58e+07	5.11e+07	1.29 y	1.17e+08	1720	1,2,3,6,7,8-HxCDD
39:08	2.35e+06	1.95e+06	1.20 y	4.30e+06	60.0	
39:17	2.65e+07	2.05e+07	1.29 y	4.70e+07	661	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 1

Acquired: 9-NOV-10 23:57:29

Total Concentration: 168

Unnamed Concentration: 163.962

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:05	1.73e+05	2.24e+05	0.77 y	3.97e+05	2.60	
23:27	5.78e+05	7.30e+05	0.79 y	1.31e+06	8.58	
23:51	3.78e+06	4.88e+06	0.78 y	8.66e+06	56.8	
24:09	6.68e+05	8.10e+05	0.82 y	1.48e+06	9.69	
24:28	6.55e+05	8.14e+05	0.80 y	1.47e+06	9.64	
24:46	1.25e+06	1.58e+06	0.79 y	2.83e+06	18.6	
25:00	1.28e+05	1.54e+05	0.83 y	2.82e+05	1.85	
25:22	2.10e+05	2.66e+05	0.79 y	4.76e+05	3.12	
25:29	1.37e+06	1.70e+06	0.81 y	3.07e+06	20.1	
25:36	2.89e+05	3.57e+05	0.81 y	6.46e+05	4.24	
25:51	6.32e+04	8.71e+04	0.73 y	1.50e+05	0.985	
25:58	1.75e+05	2.19e+05	0.80 y	3.94e+05	2.59	
26:12	7.18e+04	8.67e+04	0.83 y	1.59e+05	1.04	
26:24	1.09e+05	1.30e+05	0.84 y	2.39e+05	1.57	
26:31	1.00e+05	1.22e+05	0.82 y	2.22e+05	1.46	
26:37	1.34e+05	1.54e+05	0.87 y	2.88e+05	1.89	
26:42	2.85e+05	3.34e+05	0.86 y	6.19e+05	4.06	2,3,7,8-TCDF
27:01	1.79e+05	2.30e+05	0.78 y	4.08e+05	2.68	
27:56	1.75e+05	2.17e+05	0.81 y	3.92e+05	2.57	
28:09	1.83e+05	2.15e+05	0.85 y	3.98e+05	2.61	
28:31	7.70e+05	9.63e+05	0.80 y	1.73e+06	11.4	

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

Run: 16 File: 09NOV10M S: 12 I: 1 F: 1
Acquired: 9-NOV-10 23:57:29

Total Concentration: 627 Unnamed Concentration: 626.741

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:30	3.60e+07	2.37e+07	1.52 y	5.97e+07	627	

Totals class: Total Penta-Furans

Entry #: 44

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 2

Acquired: 9-NOV-10 23:57:29

Total Concentration: 683

Unnamed Concentration: 569.557

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:08	1.89e+06	1.28e+06	1.48 y	3.16e+06	33.2	
30:18	1.83e+07	1.21e+07	1.51 y	3.03e+07	318	
30:47	3.03e+05	2.04e+05	1.48 y	5.07e+05	5.32	
31:00	7.10e+06	4.71e+06	1.51 y	1.18e+07	124	
31:18	4.97e+05	3.37e+05	1.48 y	8.34e+05	8.75	
31:34	8.35e+05	5.65e+05	1.48 y	1.40e+06	14.2	1,2,3,7,8-PeCDF
31:54	2.23e+06	1.53e+06	1.46 y	3.76e+06	39.5	
32:09	1.45e+05	1.01e+05	1.44 y	2.46e+05	2.58	
32:44	2.81e+05	1.85e+05	1.52 y	4.66e+05	4.89	
32:53	5.49e+06	3.66e+06	1.50 y	9.15e+06	99.1	2,3,4,7,8-PeCDF
32:56	1.40e+06	9.97e+05	1.41 y	2.40e+06	25.2	
33:19	1.14e+05	7.18e+04	1.58 y	1.85e+05	1.94	
34:01	6.33e+04	4.51e+04	1.41 y	1.08e+05	1.14	
34:12	2.99e+05	1.97e+05	1.52 y	4.96e+05	5.20	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 3

Acquired: 9-NOV-10 23:57:29

Total Concentration: 14100

Unnamed Concentration: 12954.550

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:19	4.48e+07	3.75e+07	1.19 y	8.23e+07	954	
35:35	1.82e+08	1.49e+08	1.22 y	3.31e+08	3840	
36:12	3.71e+06	3.15e+06	1.18 y	6.86e+06	79.5	
36:30	3.77e+08	3.11e+08	1.21 y	6.89e+08	7980	
37:07	2.01e+06	1.69e+06	1.19 y	3.70e+06	42.9	
37:17	2.57e+07	2.17e+07	1.19 y	4.74e+07	597	1,2,3,4,7,8-HxCDF
37:28	1.04e+07	8.30e+06	1.25 y	1.87e+07	210	1,2,3,6,7,8-HxCDF
37:56	8.35e+05	7.09e+05	1.18 y	1.54e+06	17.9	
38:12	1.33e+06	1.13e+06	1.18 y	2.46e+06	28.5	
38:25	1.23e+07	1.03e+07	1.20 y	2.26e+07	278	2,3,4,6,7,8-HxCDF
38:51	4.38e+05	3.49e+05	1.25 y	7.87e+05	9.13	
39:54	1.34e+06	1.16e+06	1.15 y	2.50e+06	26.0	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 16

File: 09NOV10M

S: 12 I: 1 F: 4

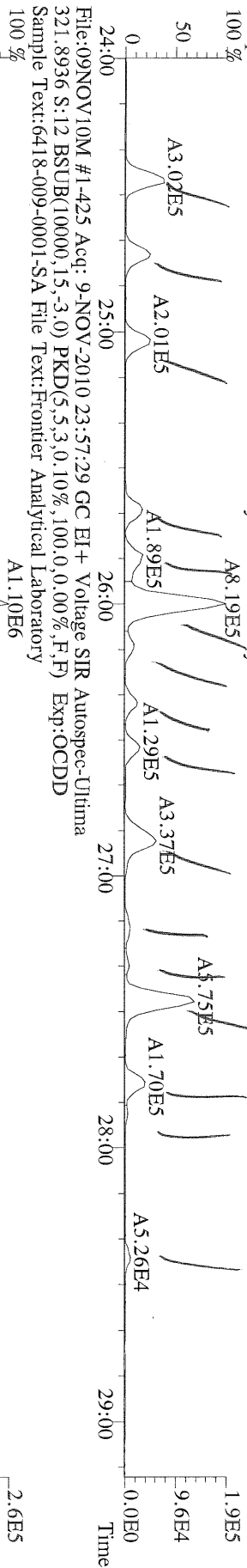
Acquired: 9-NOV-10 23:57:29

Total Concentration: 834

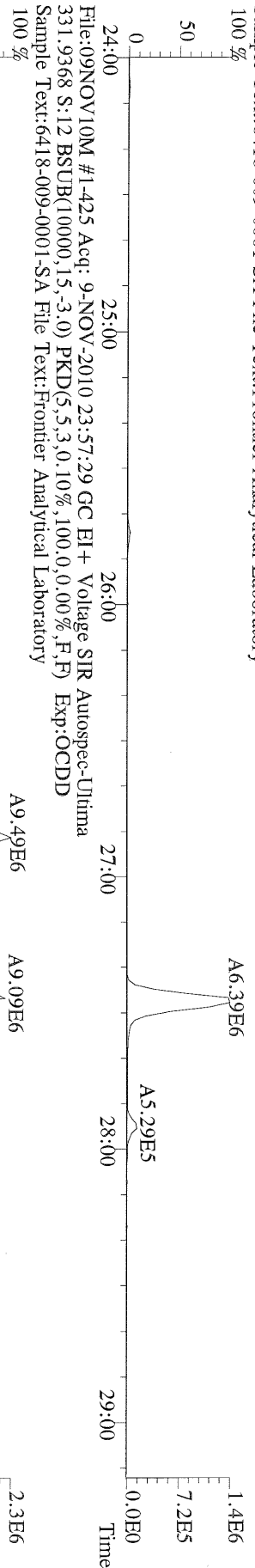
Unnamed Concentration: 143.941

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:56	6.31e+06	6.70e+06	0.94 y	1.30e+07	144	
45:13	2.95e+07	2.75e+07	1.07 y	5.70e+07	690	1,2,3,4,7,8,9-HpCDF

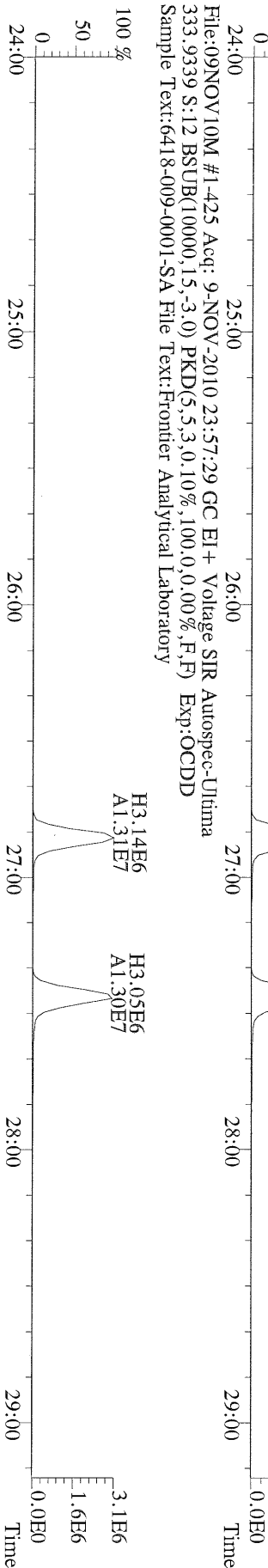
File:09NOV10M #1-425 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Utima
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



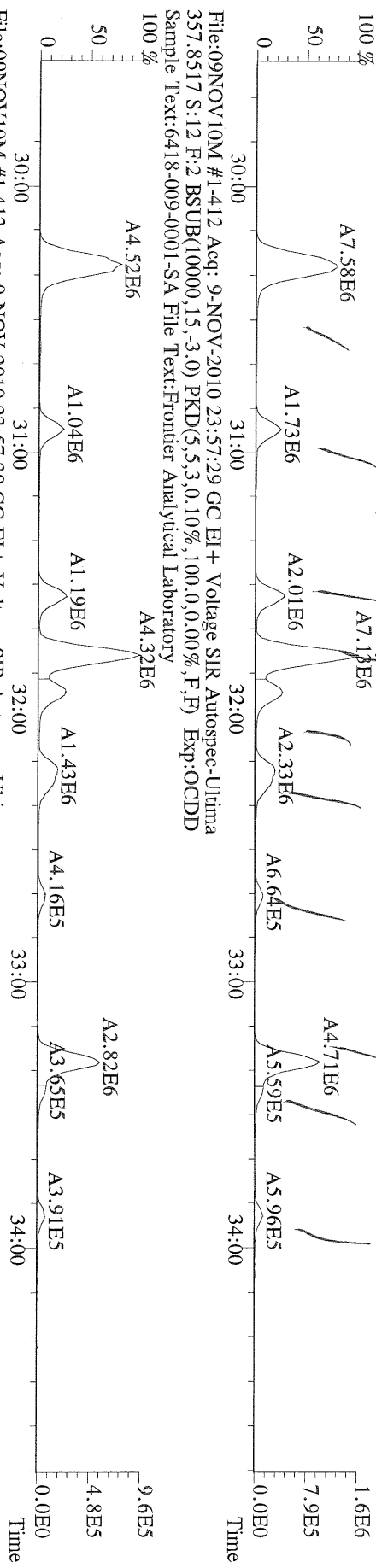
File:09NOV10M #1-425 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Utima
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



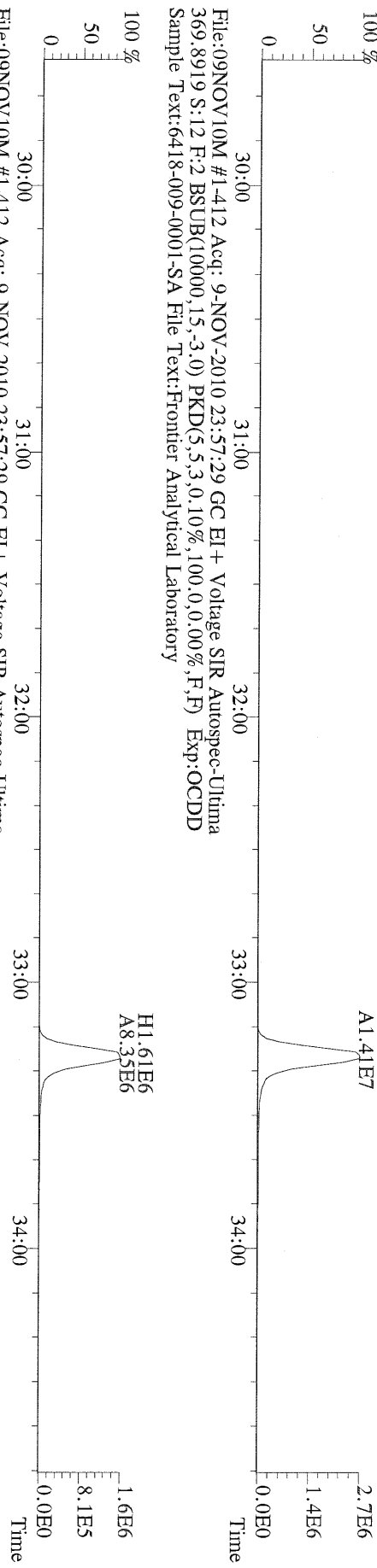
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333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



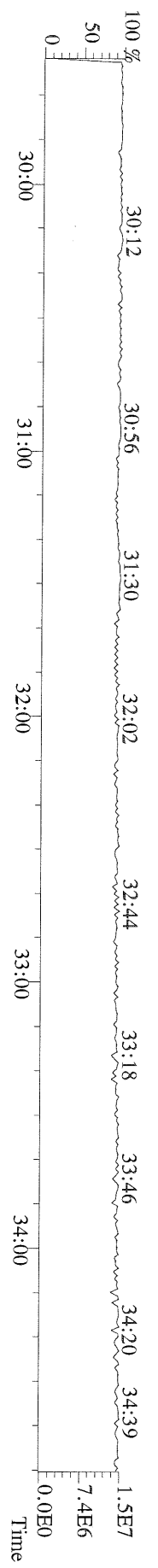
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355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



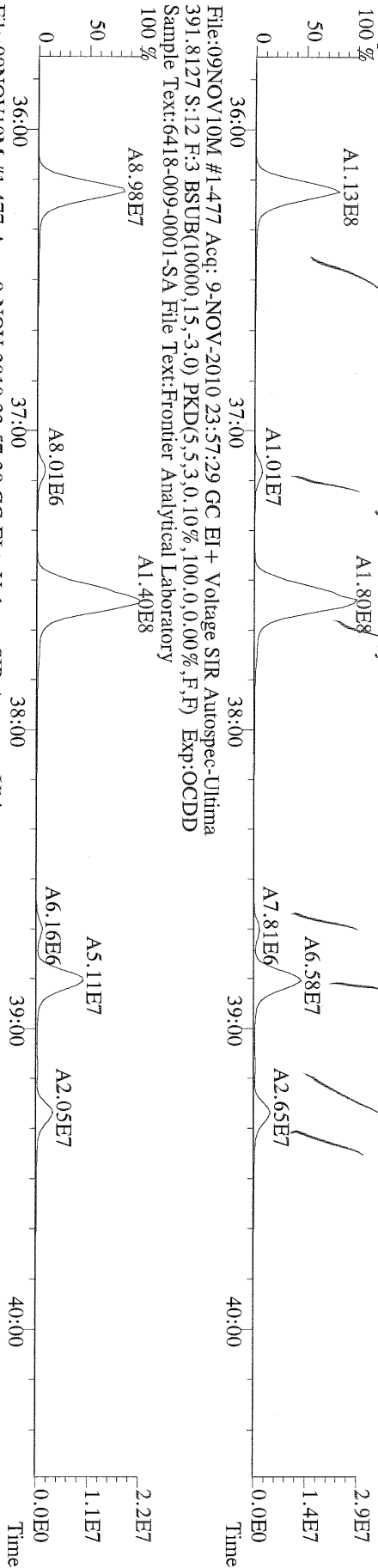
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367.8949 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



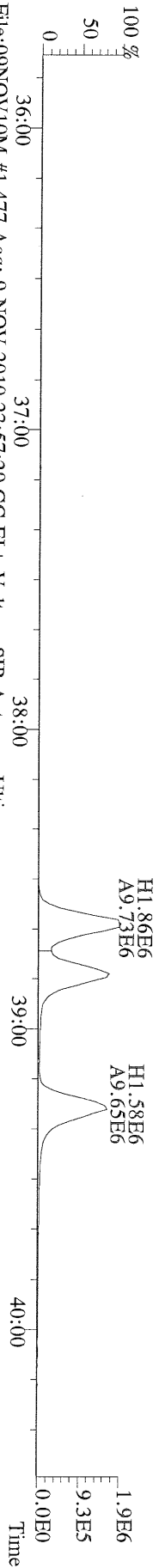
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366.9792 S:12 F:2 Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



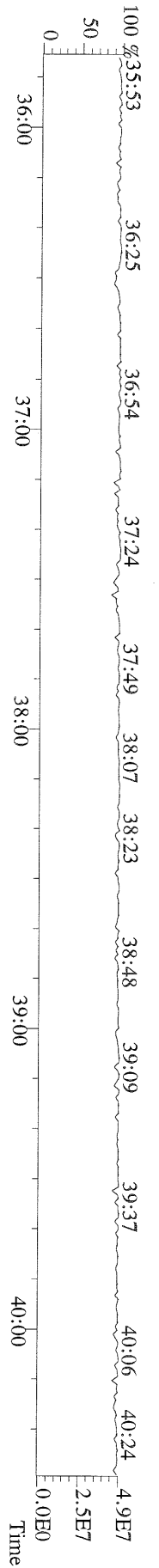
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389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



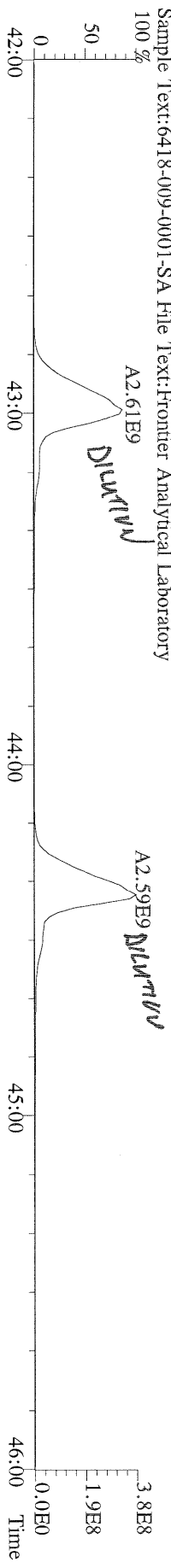
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401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



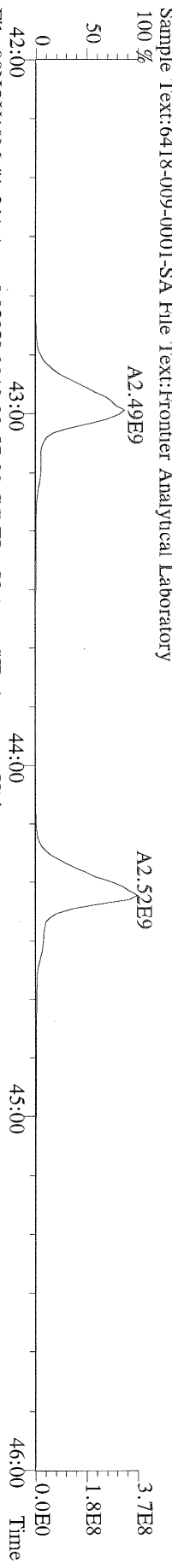
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380.9760 S:12 F:3 Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



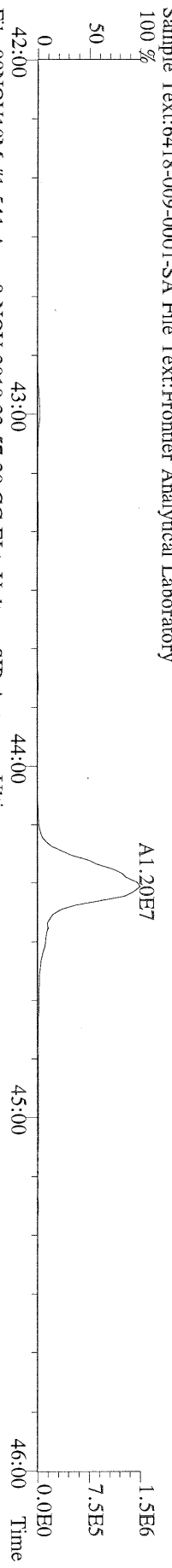
File:09NOV10M #1-541 Acq: 9-NOV-2010 23:57:29 GC EI + Voltage SIR Autospec-Utima
423.7767 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory
100 %



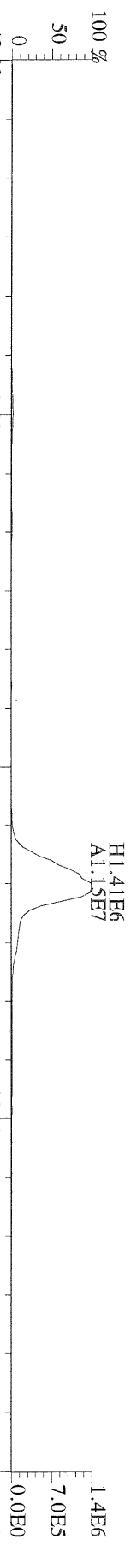
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425.7737 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory
100 %



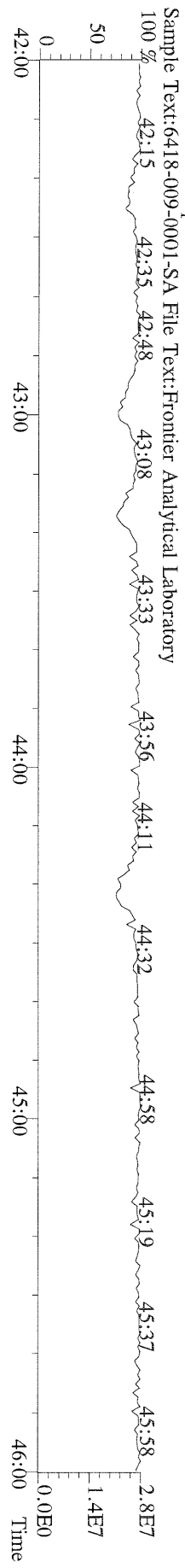
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435.8169 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory
100 %



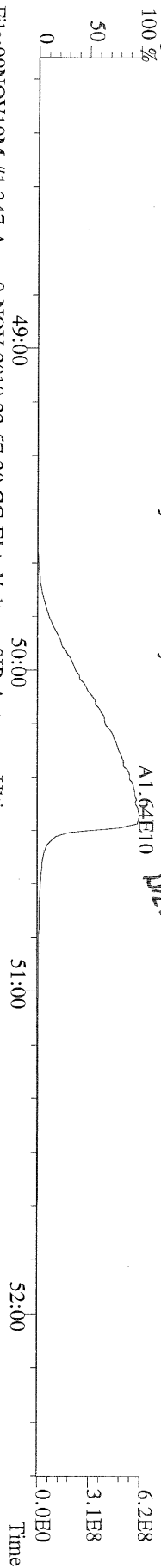
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437.8140 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



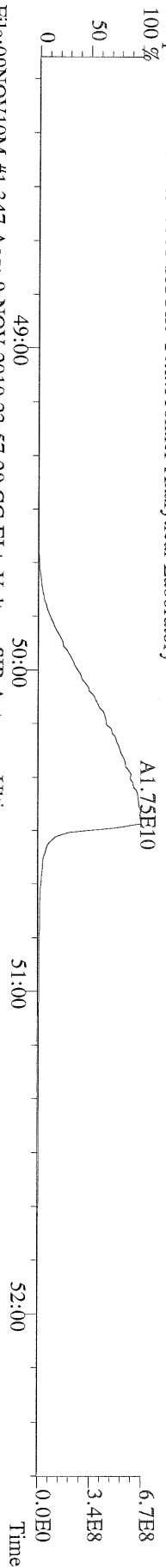
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430.9728 S:12 F:4 Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory
100 %



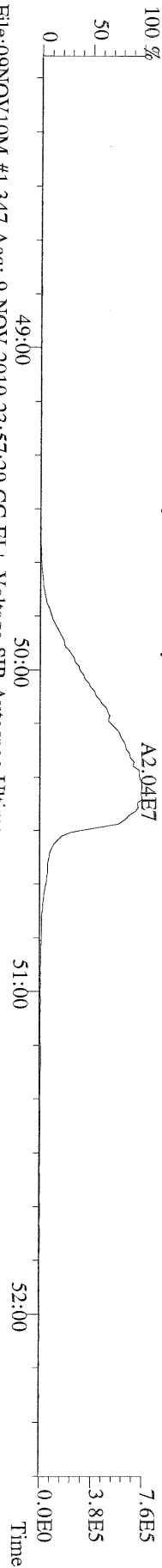
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457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
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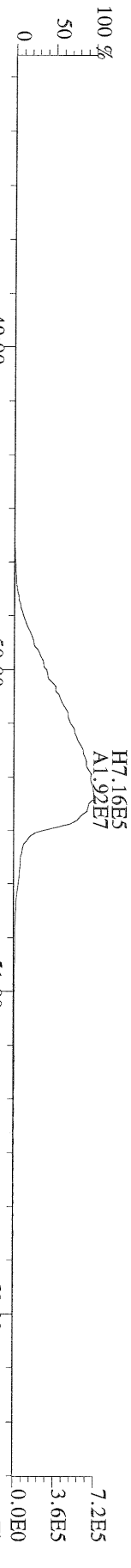
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100 %



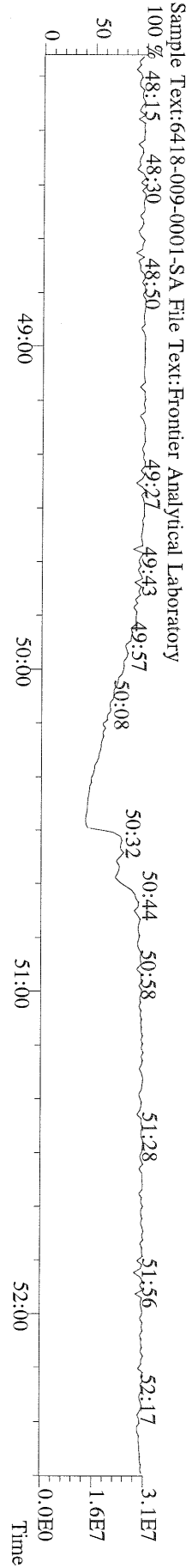
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469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
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100 %



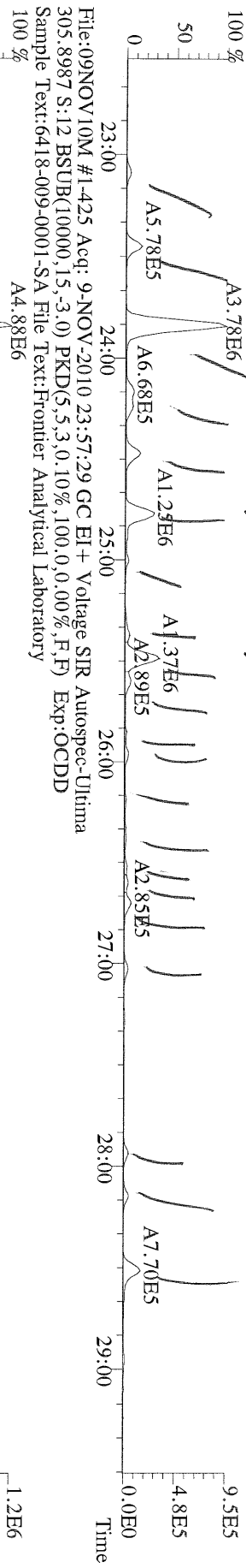
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471.7750 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
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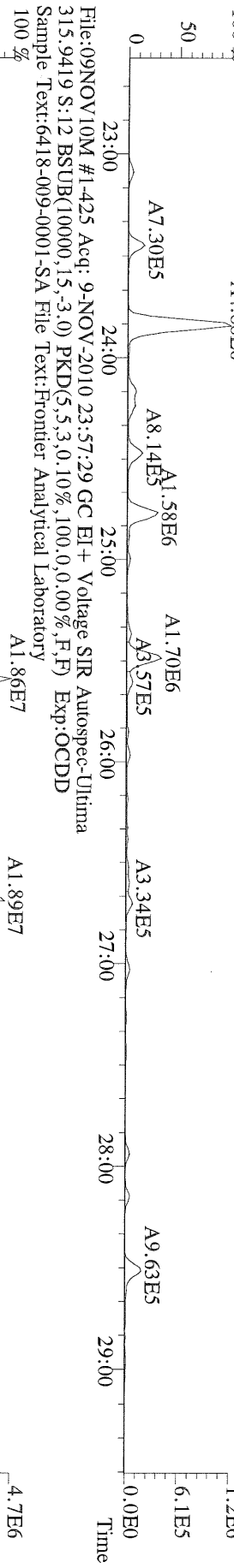
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454.9728 S:12 F:5 Exp:OCDD



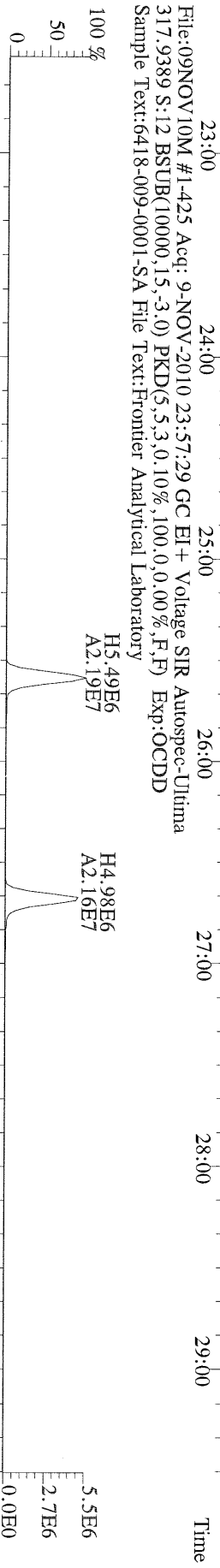
File:09NOV10M #1-425 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
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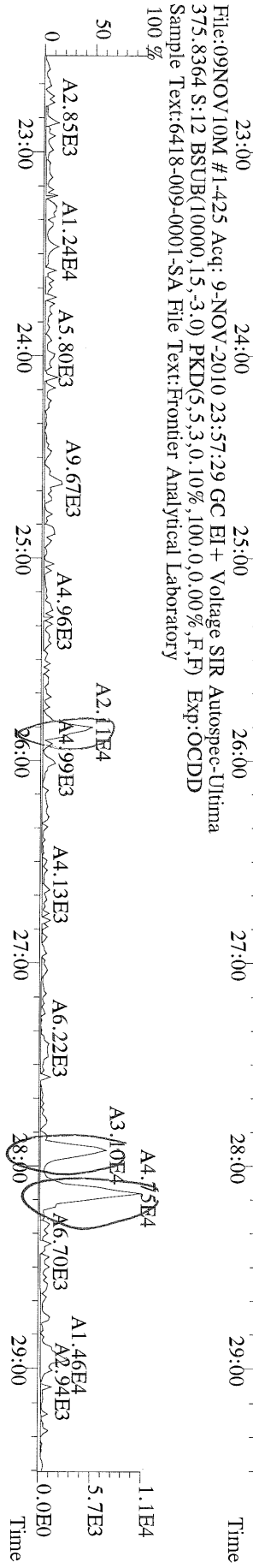
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 305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
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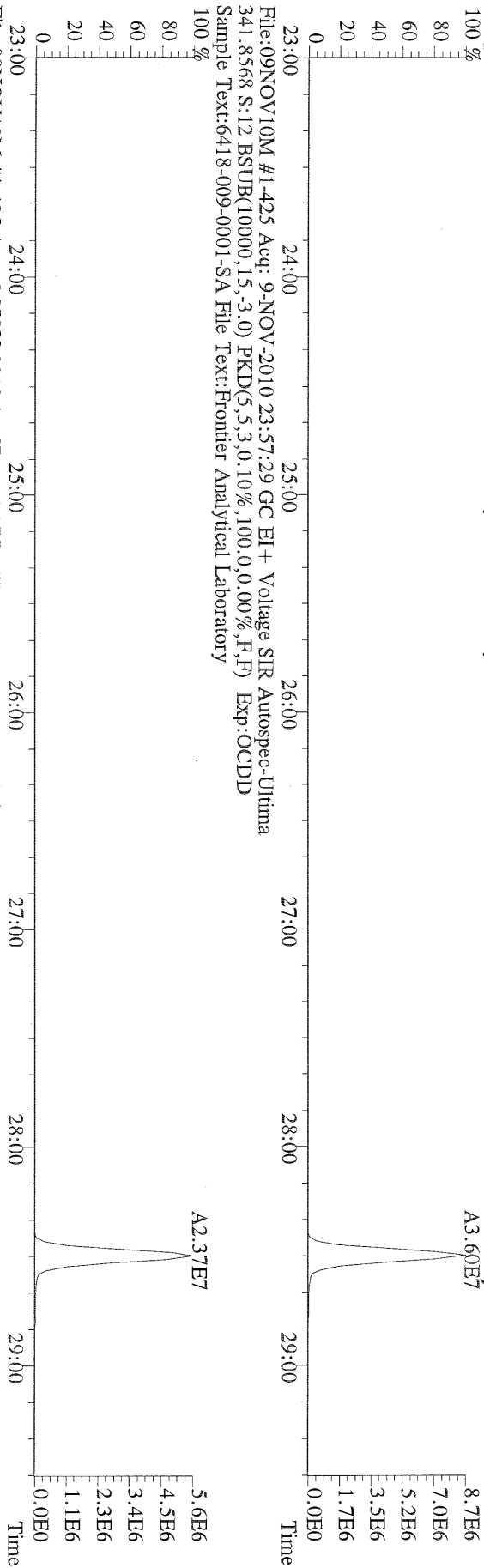
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 317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



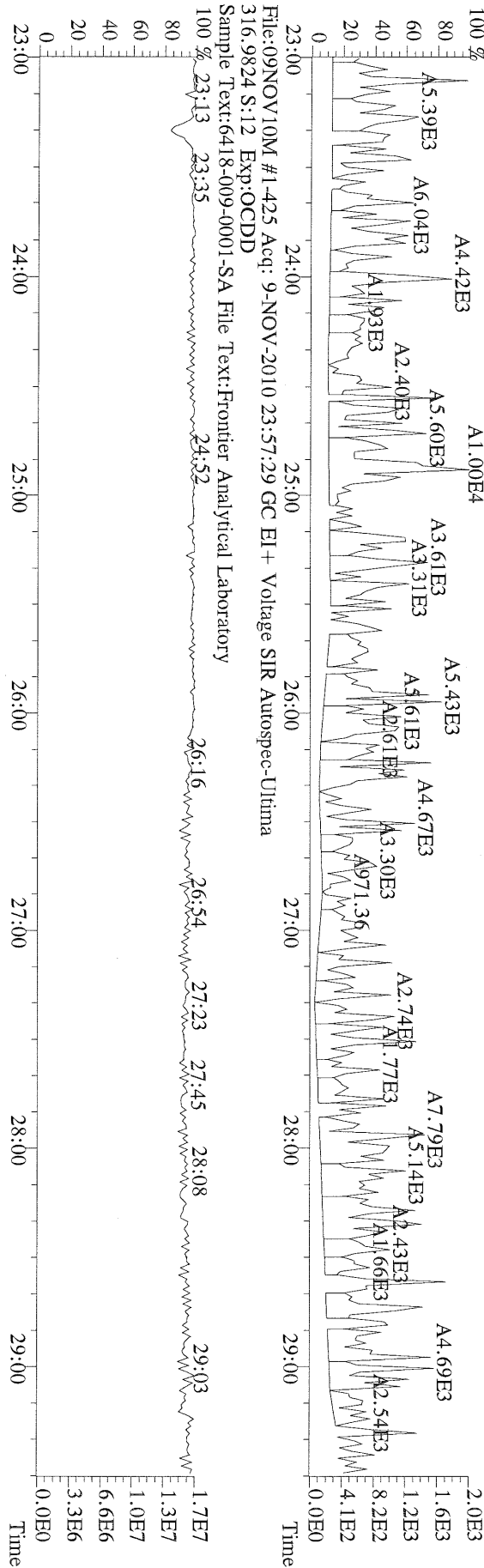
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 375.8364 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
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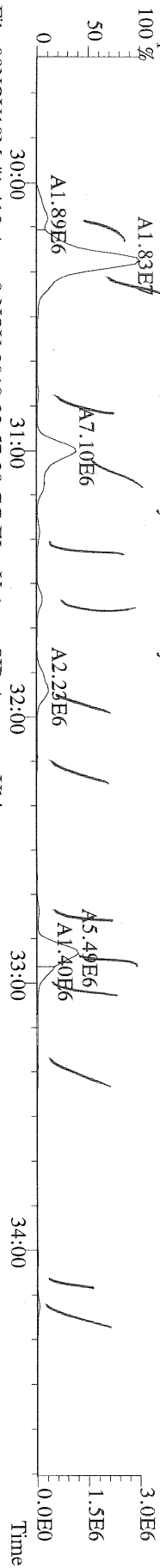
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 339.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



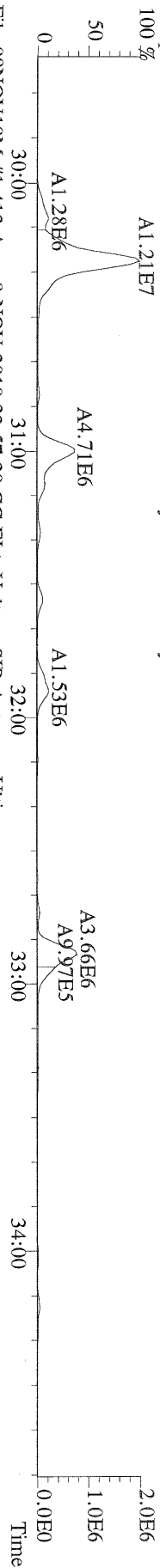
File:09NOV10M #1-425 Acq: 9-NOV-2010 23:57:29 GC EI + Voltage SIR Autospec-Ultima
 409.7974 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



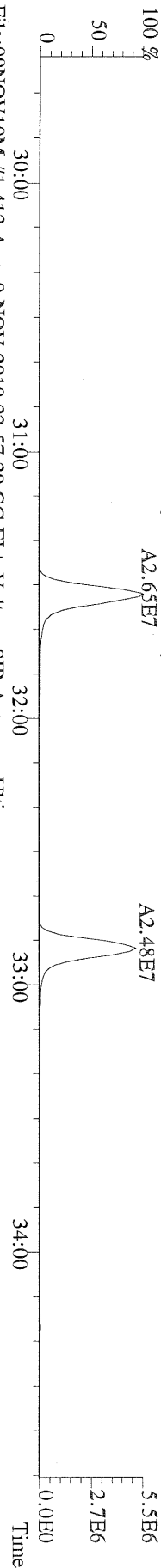
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 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



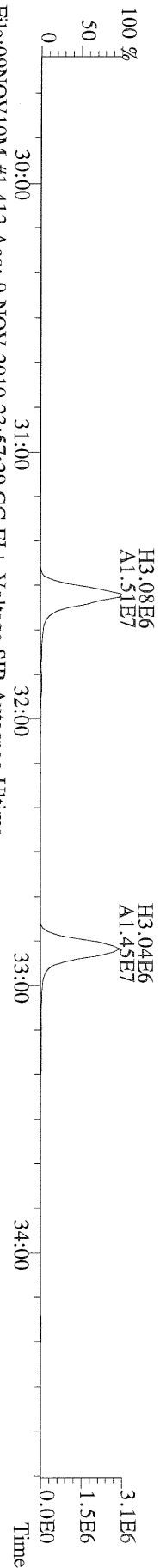
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 341.8568 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



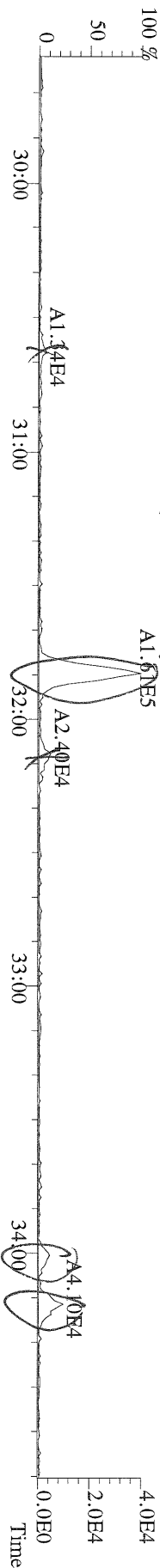
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 351.9000 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



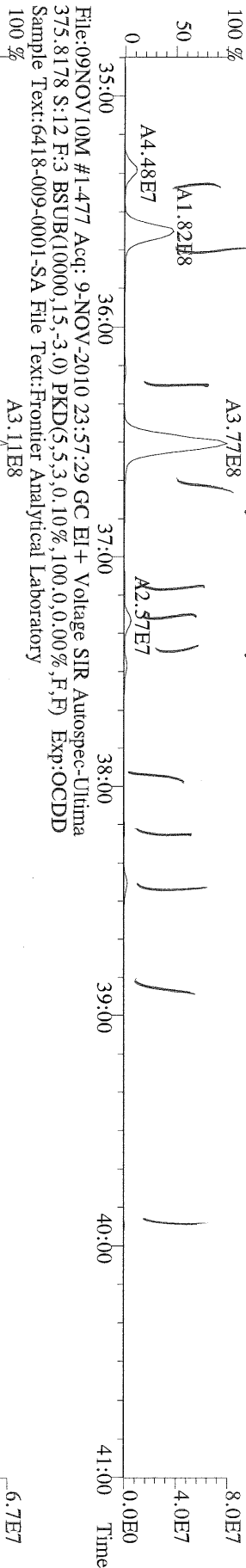
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 353.8970 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



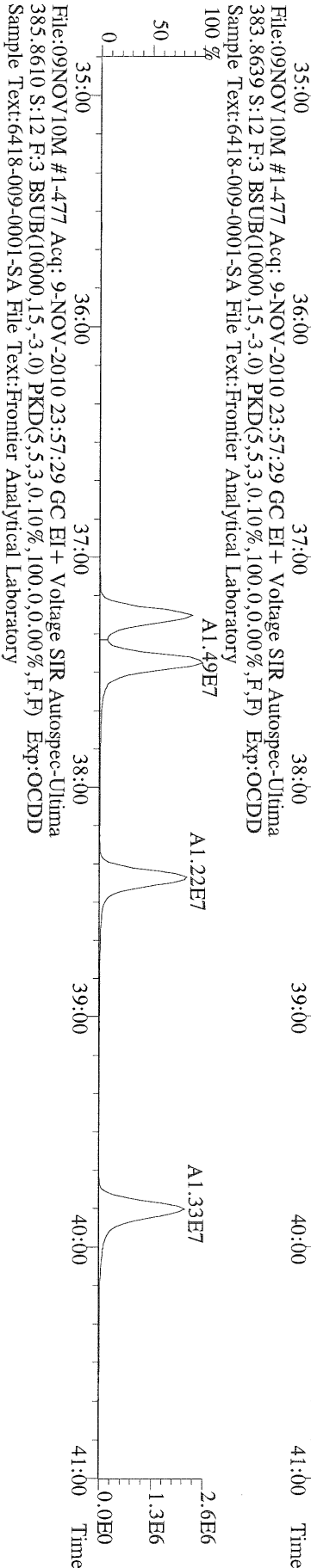
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 409.7974 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



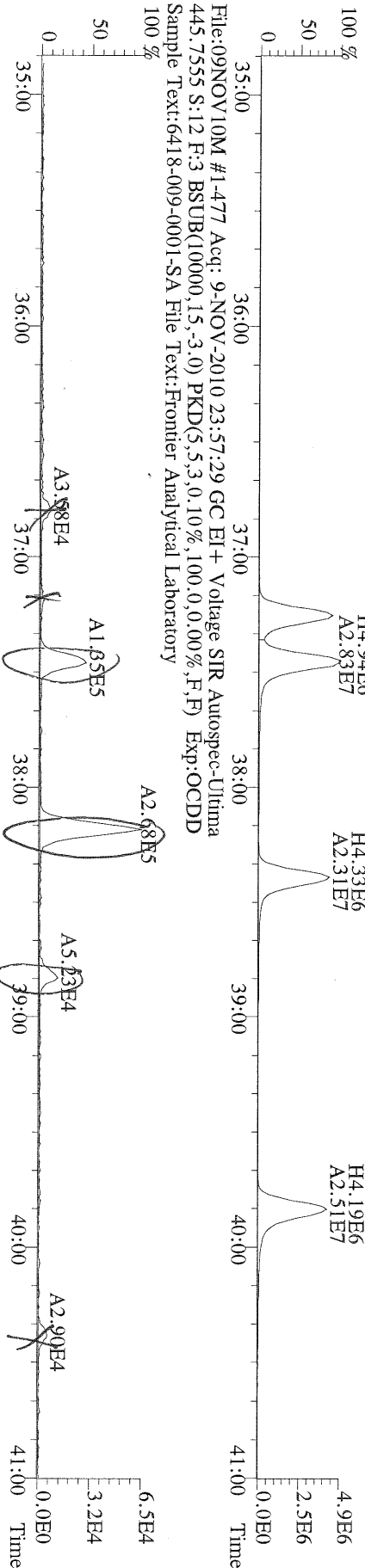
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373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



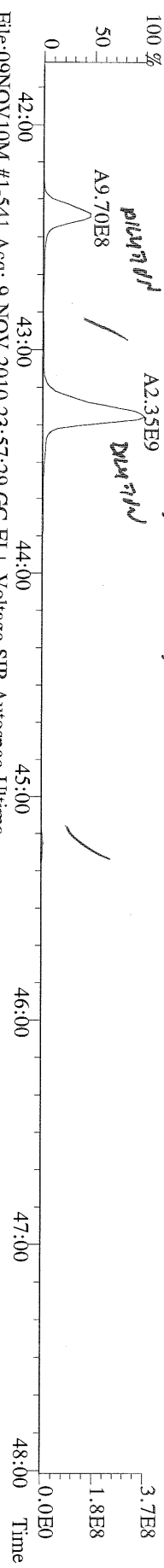
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383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



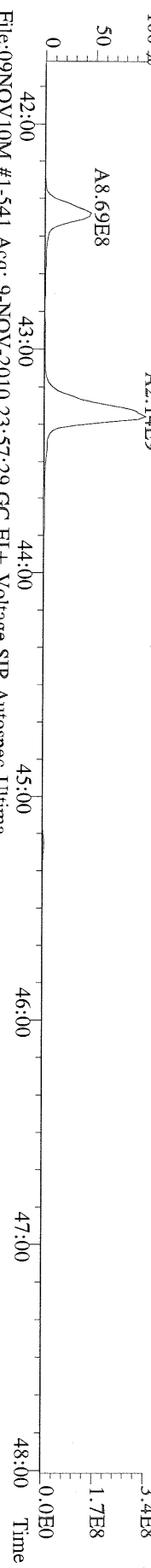
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445.7555 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-541 Acq: 9-NOV-2010 23:57:29 GC EI + Voltage SIR Autospec-Ultima
 407.7818 S:12 F:4 BSUB(10000,15,-3.0) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



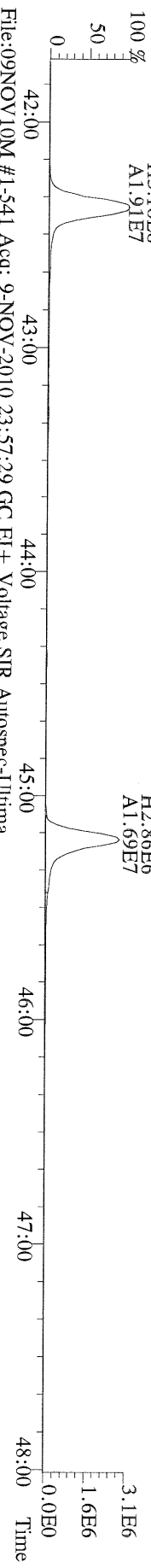
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 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



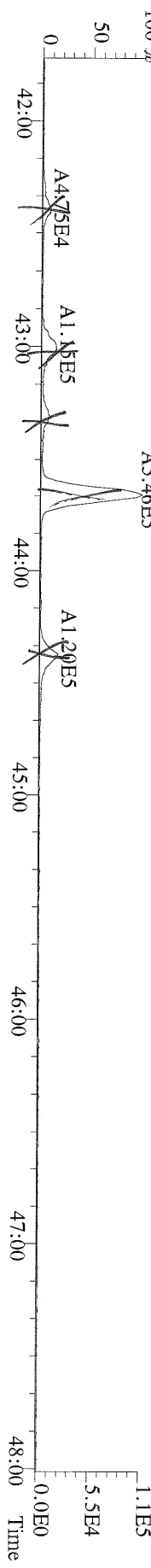
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 417.8253 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-541 Acq: 9-NOV-2010 23:57:29 GC EI + Voltage SIR Autospec-Ultima
 419.8220 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:6418-009-0001-SA File Text:Frontier Analytical Laboratory

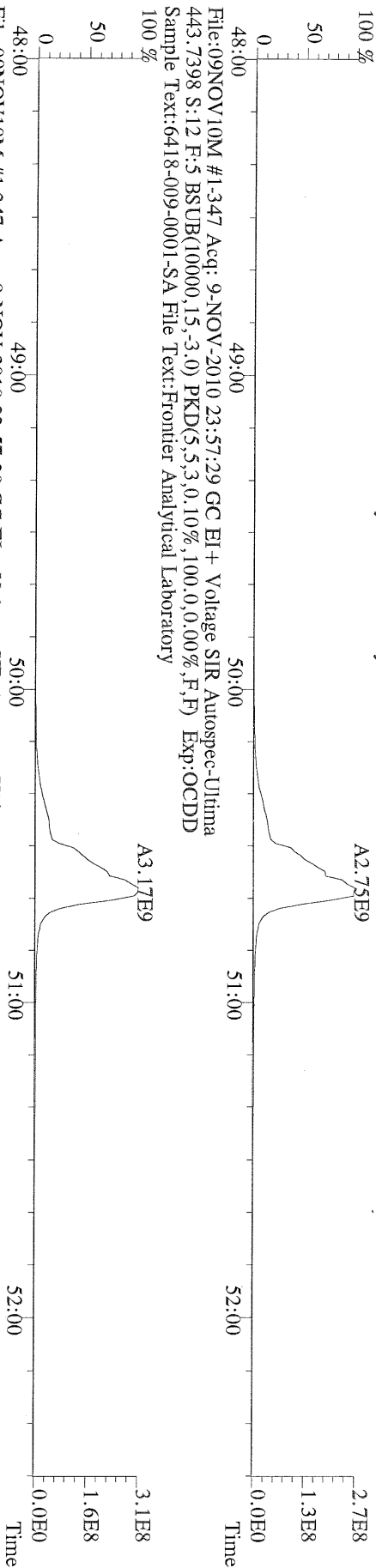


File:09NOV10M #1-541 Acq: 9-NOV-2010 23:57:29 GC EI + Voltage SIR Autospec-Ultima
 479.7165 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory

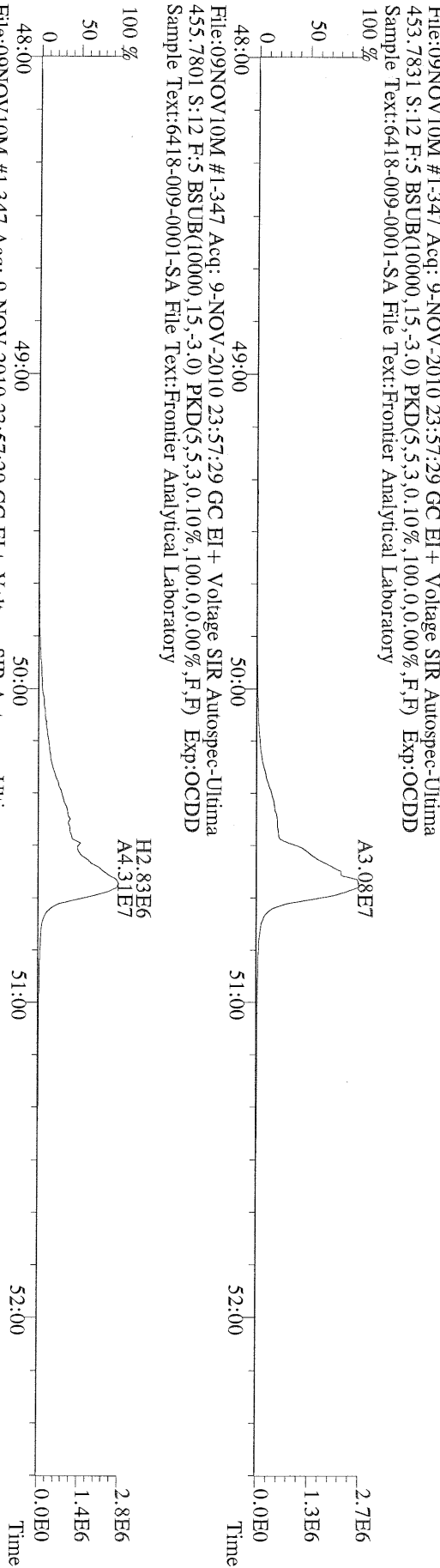


File:09NOV10M #1-347 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory

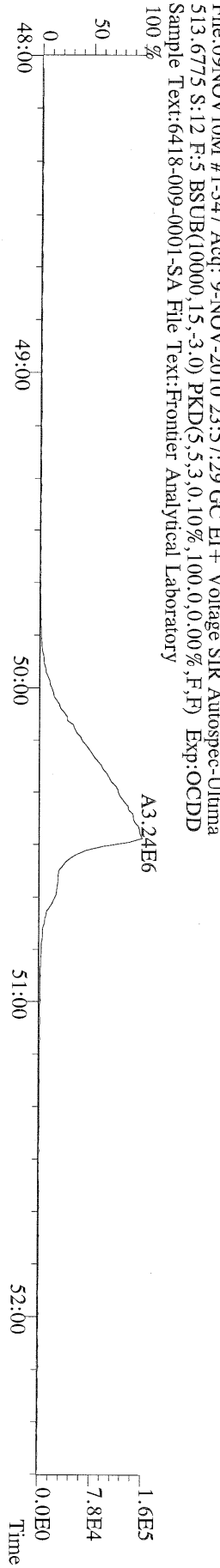
QUANT1



File:09NOV10M #1-347 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-347 Acq: 9-NOV-2010 23:57:29 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	-	-	*	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	4.99e+07	1.02 y	44:16	1.45	67500		2.50	-	-	*	
OCDD	4.34e+08	0.96 y	49:51	1.43	726000		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	1.62e+07	1.06 y	42:21	1.39	17500		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	-	-	*	
OCDF	5.88e+07	0.85 y	50:13	0.79	111000		2.50	-	-	*	
13C-2,3,7,8-TCDD	*	* n	NotFnd	1.02	*					*	
13C-1,2,3,7,8-PeCDD	*	* n	NotFnd	0.84	*					*	
13C-1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.07	*					*	
13C-1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.01	*					*	
13C-1,2,3,4,6,7,8-HpCDD	2.03e+05	1.08 y	44:14	0.86	451					113	
13C-OCDD	3.32e+05	1.01 y	49:51	0.55	1160					145	
13C-2,3,7,8-TCDF	*	* n	NotFnd	0.99	*					*	
13C-1,2,3,7,8-PeCDF	*	* n	NotFnd	0.84	*					*	
13C-2,3,4,7,8-PeCDF	*	* n	NotFnd	0.81	*					*	
13C-1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.85	*					*	
13C-1,2,3,6,7,8-HxCDF	*	* n	NotFnd	2.54	*					*	
13C-2,3,4,6,7,8-HxCDF	*	* n	NotFnd	2.01	*					*	
13C-1,2,3,7,8,9-HxCDF	*	* n	NotFnd	2.03	*					*	
13C-1,2,3,4,6,7,8-HpCDF	2.65e+05	0.43 y	42:21	1.11	455					114	
13C-1,2,3,4,7,8,9-HpCDF	1.91e+05	0.47 y	45:10	0.80	453					114	
13C-OCDF	5.37e+05	0.94 y	50:12	1.08	944					118	
37Cl-2,3,7,8-TCDD	*		NotFnd	0.69	*					*	
13C-1,2,3,4-TCDD	*	* n	NotFnd	-	*					*	
13C-1,2,3,4-TCDF	*	* n	NotFnd	-	*					*	
13C-1,2,3,7,8,9-HxCDD	2.09e+05	1.28 y	39:16	-	0.151						
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	-	-	*	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	-	-	*	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	-	-	*	0
Total Hepta-Dioxins	1.02e+08		42:53	1.45	138000		2.50	-	-	*	2
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	-	-	*	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	PeCDF 0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	-	-	*	0.00 0
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	-	-	*	0
Total Hepta-Furans	5.88e+07		42:21	1.38	71600		2.50	-	-	*	2

Analyst: J

Date: 11/10/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 14

File: 09NOV10M

S: 10 I: 1 F: 4

Acquired: 9-NOV-10 22:06:47

Total Concentration: 138000

Unnamed Concentration: 70259.903

RT	mL Resp	m2 Resp	RA	Resp	Concentration	Name
42:53	2.64e+07	2.56e+07	1.03 y	5.19e+07	70300	
44:16	2.52e+07	2.47e+07	1.02 y	4.99e+07	67500	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 14

File: 09NOV10M

S: 10 I: 1 F: 4

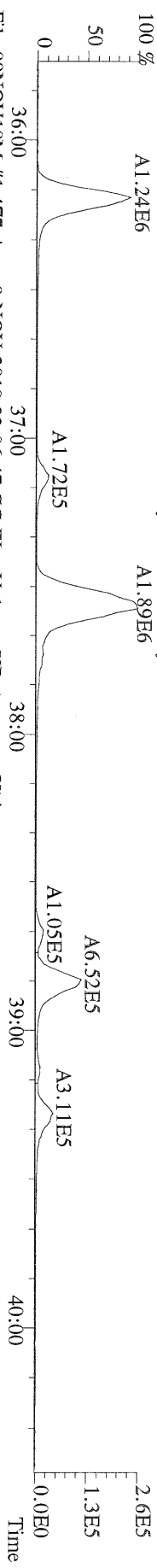
Acquired: 9-NOV-10 22:06:47

Total Concentration: 71600

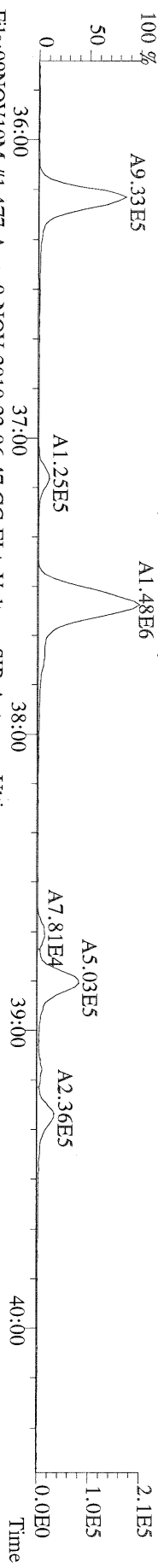
Unnamed Concentration: 54107.333

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:21	8.30e+06	7.86e+06	1.06 y	1.62e+07	17500	1,2,3,4,6,7,8-HpCDF
43:11	2.20e+07	2.06e+07	1.07 y	4.26e+07	54100	

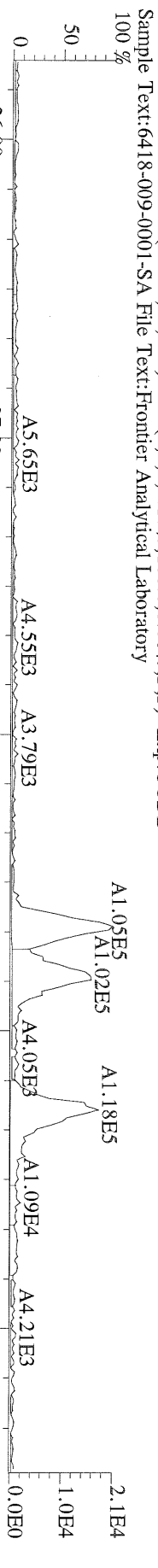
File:09NOV10M #1-477 Acq: 9-NOV-2010 22:06:47 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:10 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



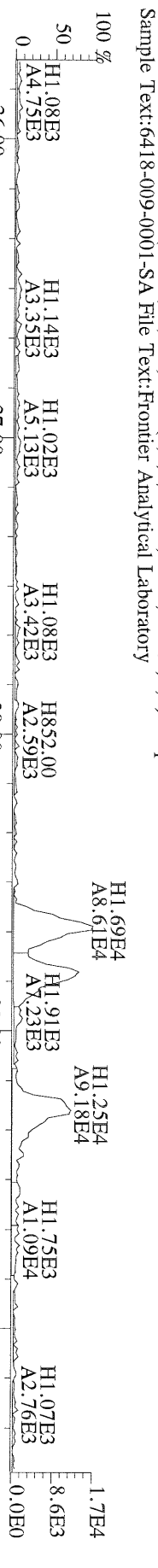
File:09NOV10M #1-477 Acq: 9-NOV-2010 22:06:47 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:10 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



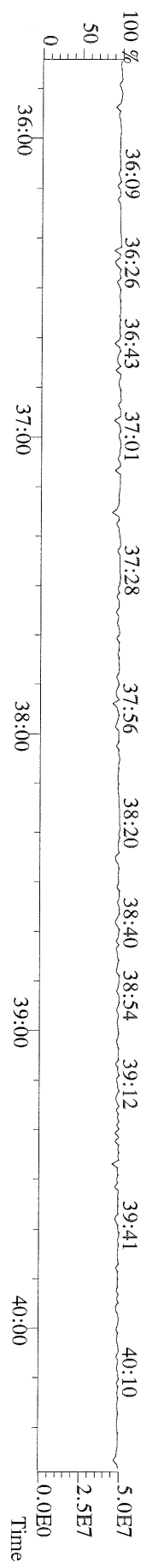
File:09NOV10M #1-477 Acq: 9-NOV-2010 22:06:47 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:10 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



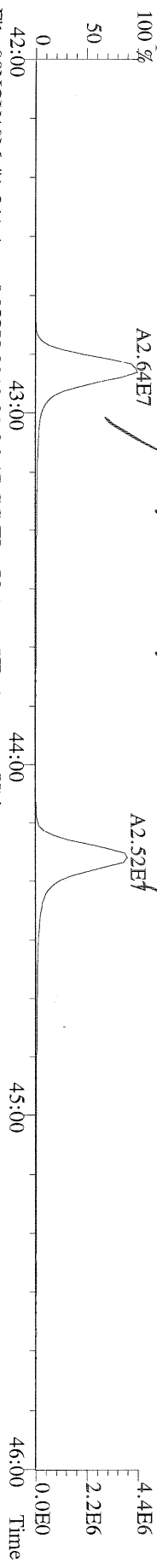
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 403.8530 S:10 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



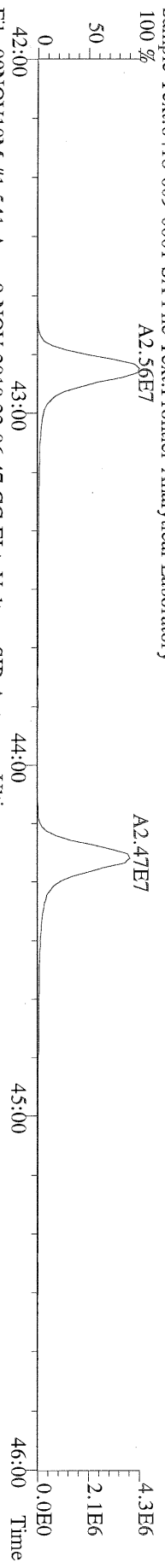
File:09NOV10M #1-477 Acq: 9-NOV-2010 22:06:47 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:10 F:3 Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



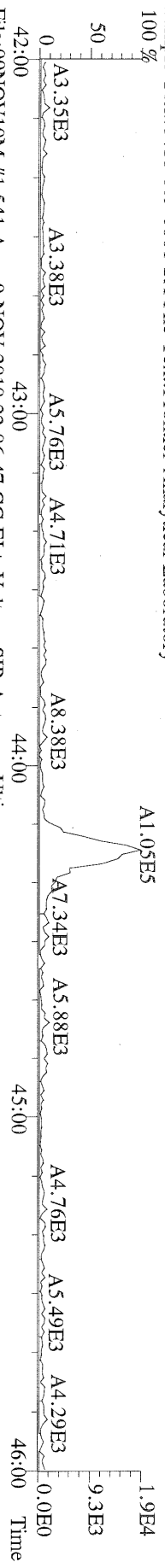
File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
 423.7767 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



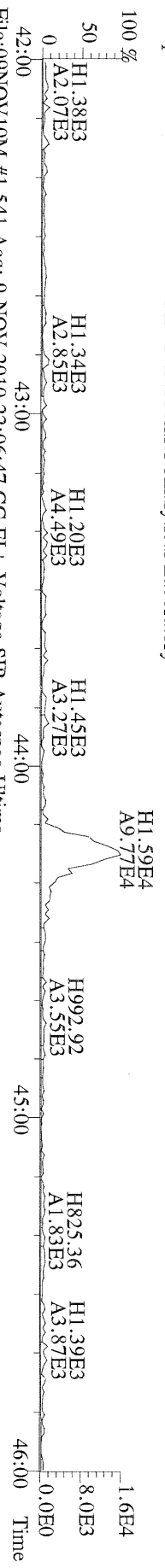
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 425.7737 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



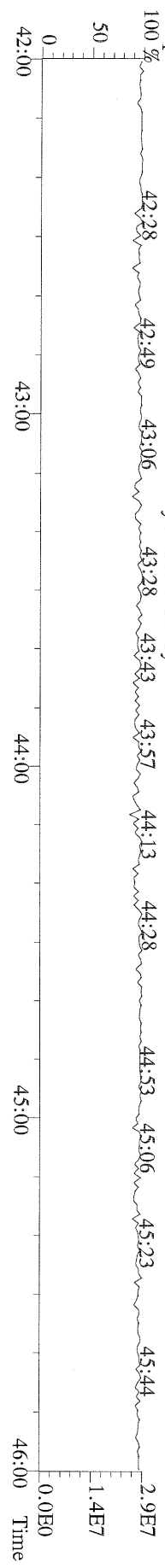
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 435.8169 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



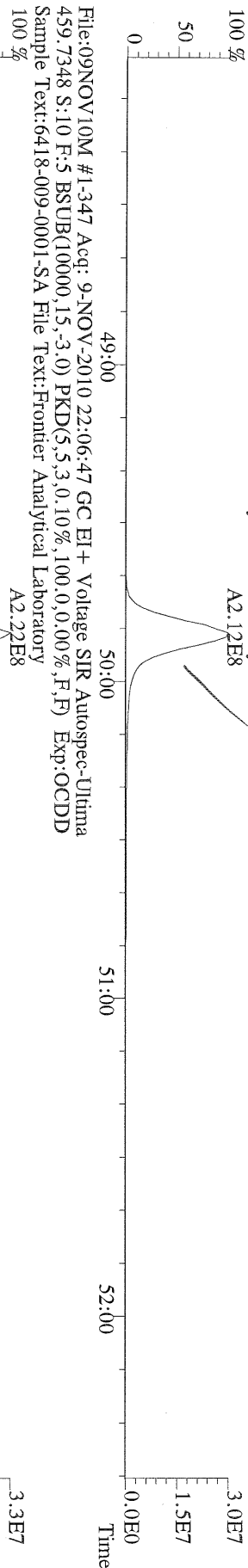
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 437.8140 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



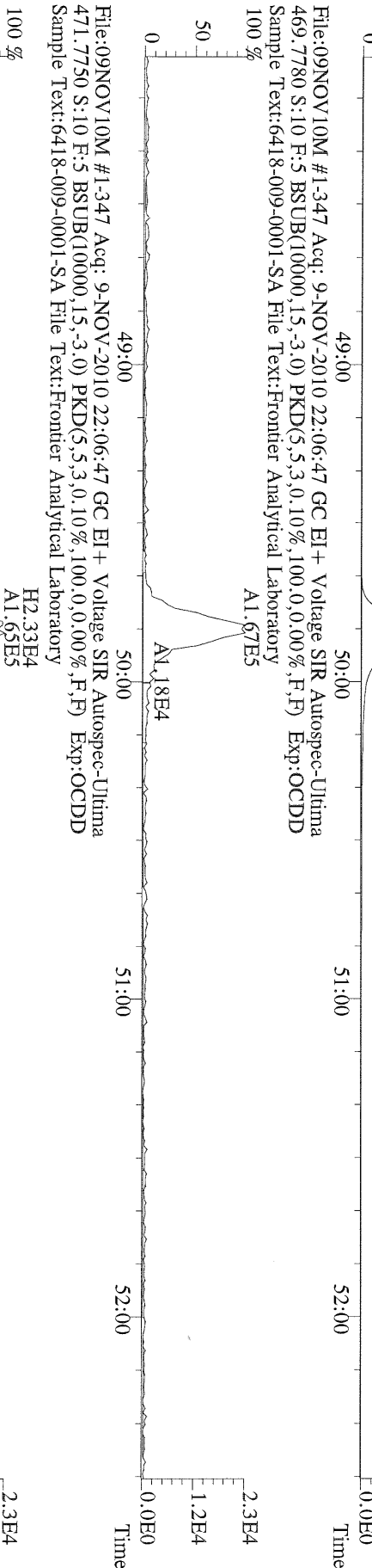
File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
 430.9728 S:10 F:4 Exp:OCDD
 Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



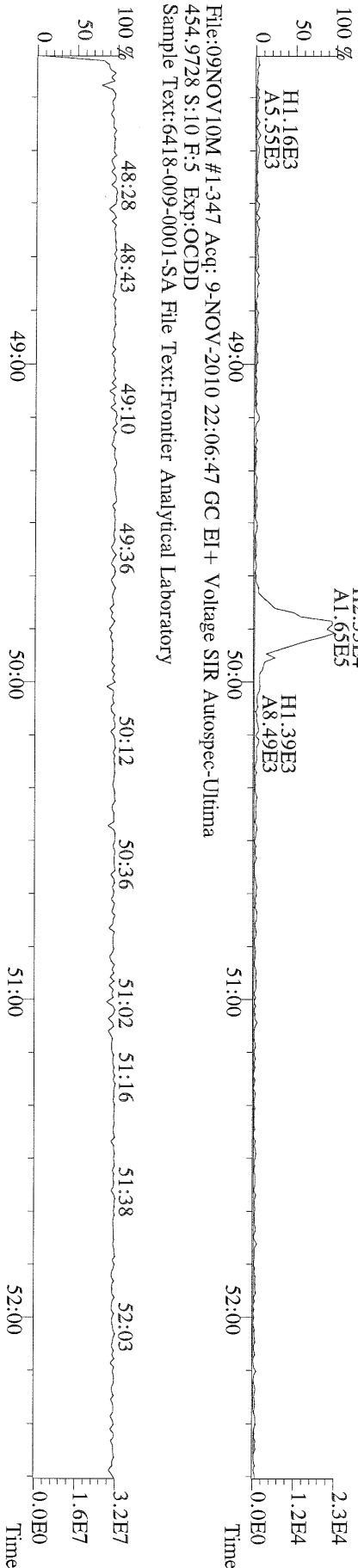
File:09NOV10M #1-347 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



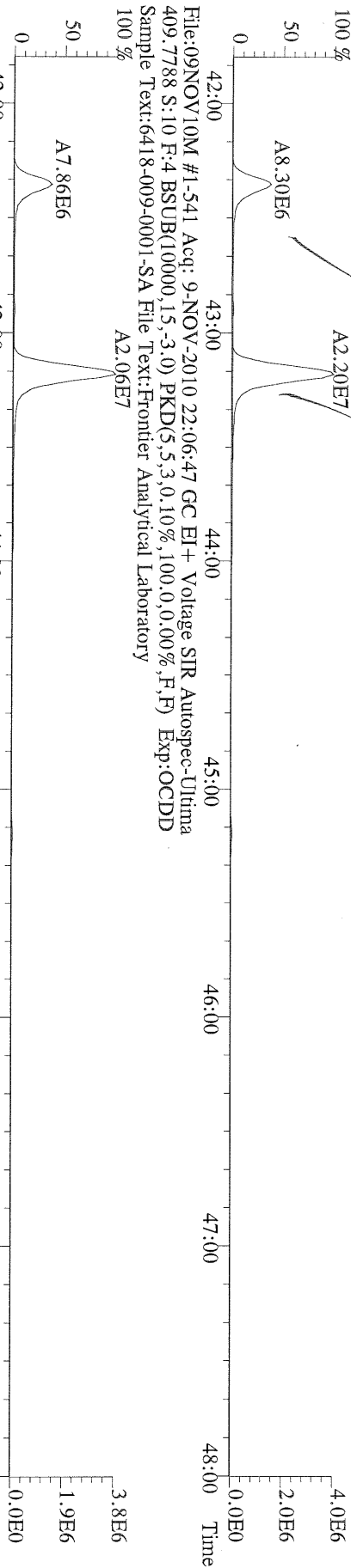
File:09NOV10M #1-347 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
469.7780 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



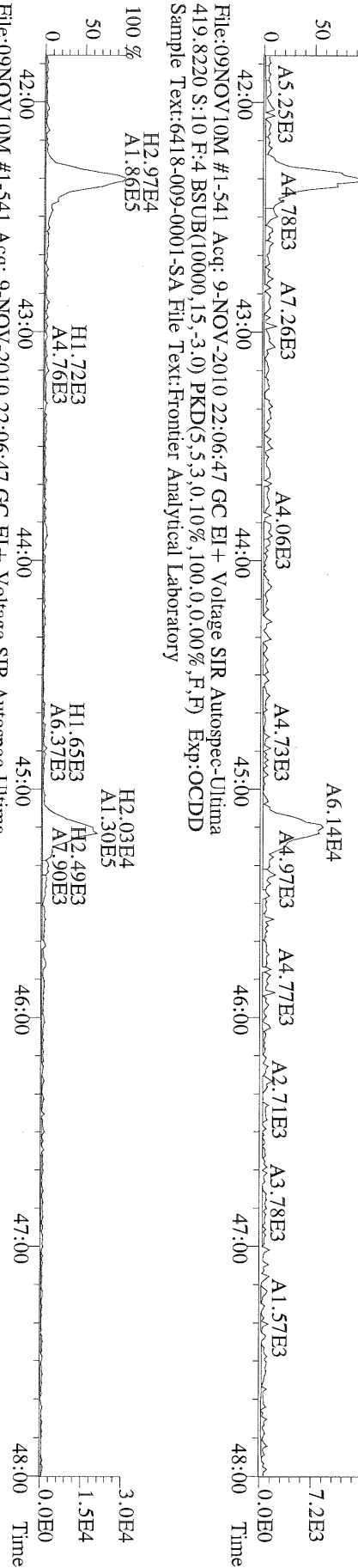
File:09NOV10M #1-347 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
471.7750 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



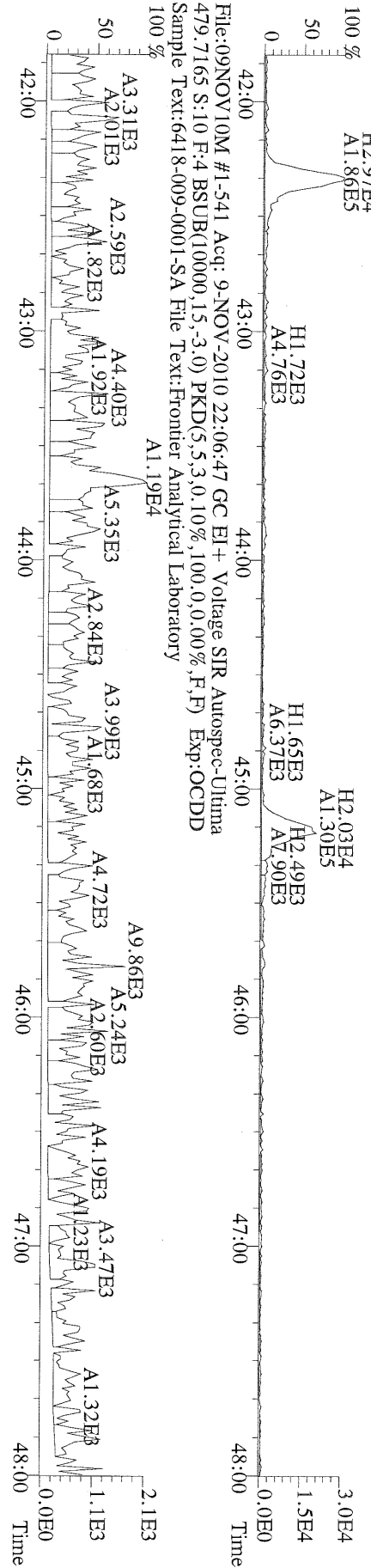
File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
407.7818 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
417.8253 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
419.8220 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV10M #1-541 Acq: 9-NOV-2010 22:06:47 GC EI + Voltage SIR Autospec-Ultima
479.7165 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6418-009-0001-SA File Text:Frontier Analytical Laboratory

