

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 10:28:18  
 Method: syringe on-column  
 Description: FPDsulfur medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-63.CHR ()  
 Sample: 20ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 10:28:18  
 Method: syringe on-column  
 Description: FPDphos medgain PMT=500  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-63.chr ()  
 Sample: 20ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 10:28:18  
 Method: syringe on-column  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-42.chr ()  
 Sample: 20ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Temperature program:

Init temp Hold Ramp Final temp  
 40.00 10.000 0.000 40.00

Events:

Time Event  
 0.000 ZERO  
 0.000 SOUND  
 0.020 G ON (Valve1Rotate)  
 0.250 E ON (FlameIgnite)  
 0.300 E OFF (FlameIgnite)  
 0.450 INTEG BASED IMMEDIATE  
 2.500 G OFF (Valve1Rotate)

Temperature program:

Init temp Hold Ramp Final temp

Events:

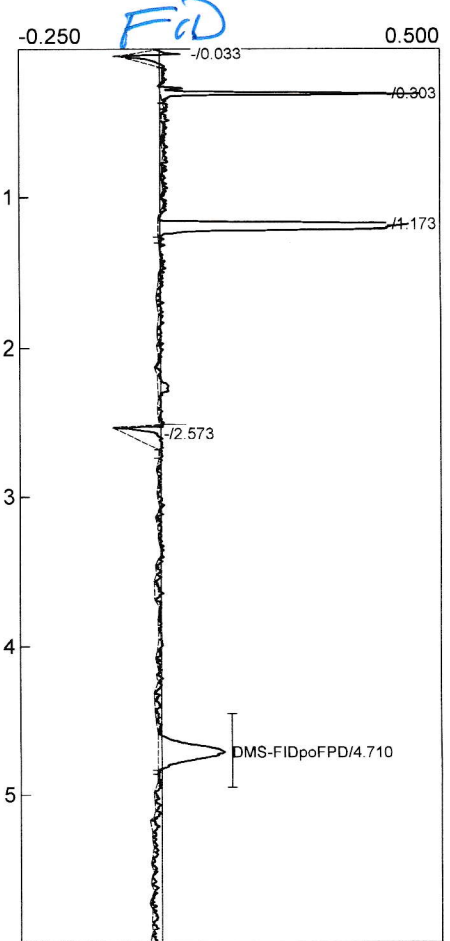
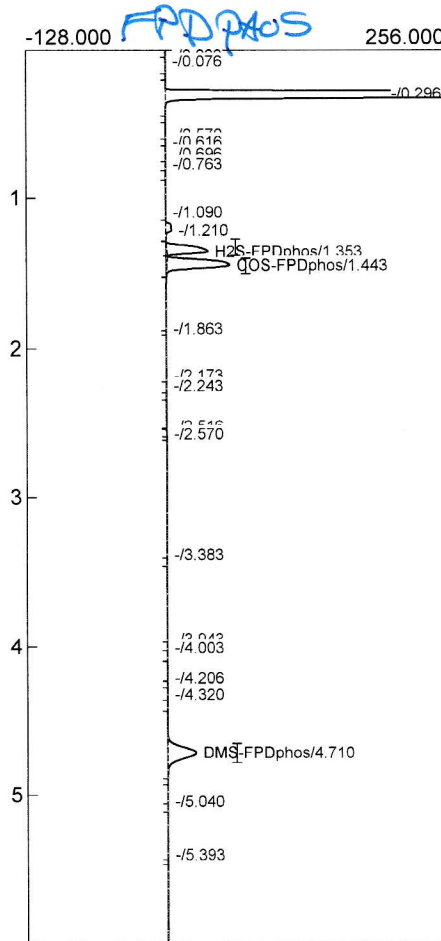
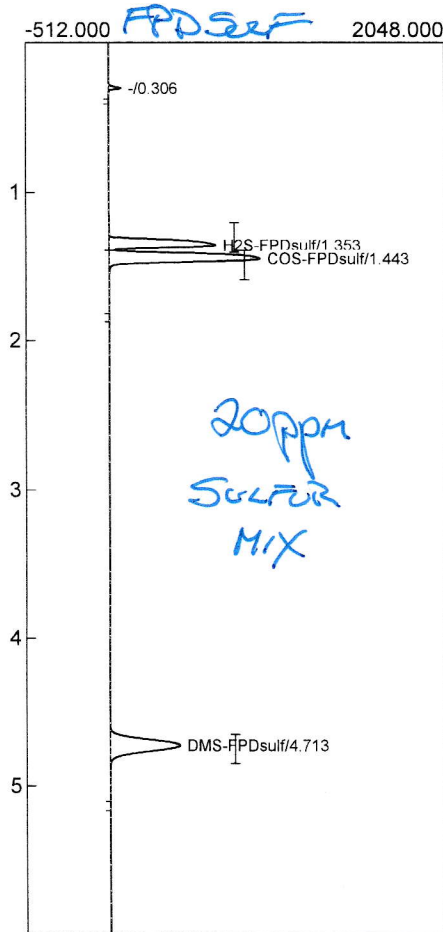
Time Event  
 0.000 ZERO

Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO



Component	Retention	Area	Internal	Units
H2S-FPDphos	1.353	115.5594	20.0000	ppm
COS-FPDphos	1.443	200.6358	20.0000	ppm
DMS-FPDphos	4.710	139.1619	20.0000	ppm

Component	Retention	Area	Internal	Units
DMS-FIDpoFPD	4.710	0.8286	20.0000	ppm

Component	Retention	Area	Internal	Units
H2S-FPDsulf	1.353	2116.0770	20.0000	ppm
COS-FPDsulf	1.443	3416.6996	20.0000	ppm
DMS-FPDsulf	4.713	2347.2337	20.0000	ppm
		7880.0103	60.0000	

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 11:17:25  
 Method: syringe on-column  
 Description: FPDsulfur medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-64.CHR ()  
 Sample: 4ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 11:17:25  
 Method: syringe on-column  
 Description: FPDphos medgain PMT=500  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-64.chr ()  
 Sample: 4ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 11:17:25  
 Method: syringe on-column  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-43.chr ()  
 Sample: 4ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Temperature program:

Init temp Hold Ramp Final temp  
 40.00 10.000 0.000 40.00

Events:

Time Event  
 0.000 ZERO  
 0.000 SOUND  
 0.020 G ON (Valve1Rotate)  
 0.250 E ON (Flameignite)  
 0.300 E OFF (Flameignite)  
 0.450 INTEG BASED IMMEDIATE  
 2.500 G OFF (Valve1Rotate)

Temperature program:

Init temp Hold Ramp Final temp

Events:

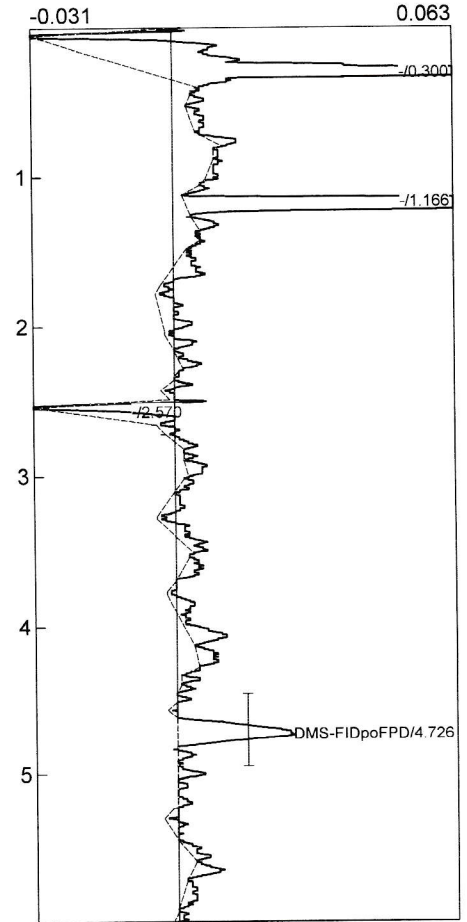
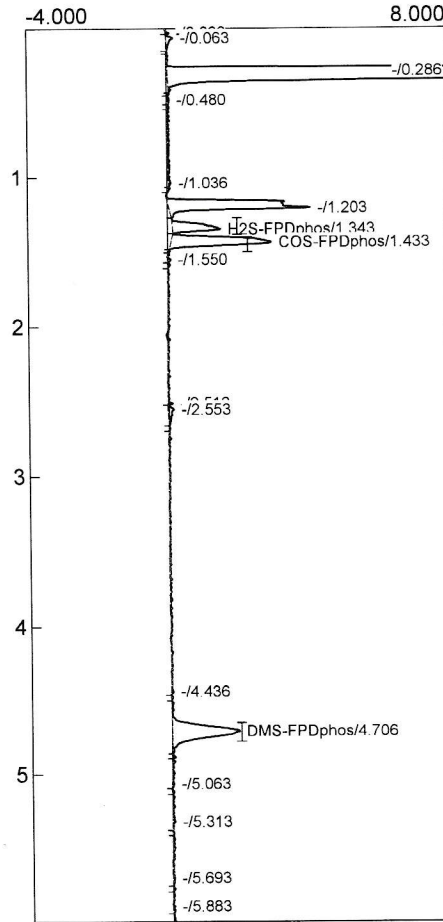
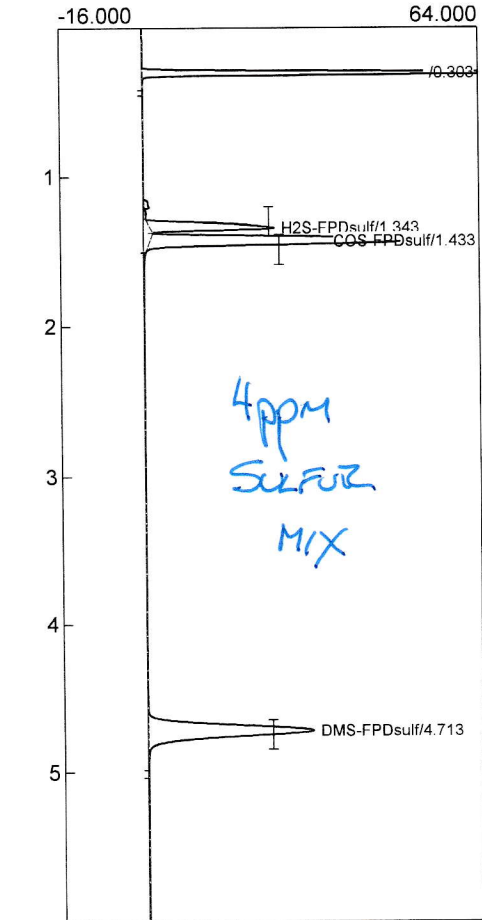
Time Event  
 0.000 ZERO

Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO



Component	Retention	Area	Internal	Units
H2S-FPDphos	1.343	4.0321	3.8451	ppm
COS-FPDphos	1.433	9.9222	4.4325	ppm
DMS-FPDphos	4.706	10.3988	5.4535	ppm

Component	Retention	Area	Internal	Units
DMS-FIDpoFPD	4.726	0.1780	4.2964	ppm

Component	Retention	Area	Internal	Units
H2S-FPDsulf	1.343	69.7624	3.6598	ppm
COS-FPDsulf	1.433	165.9908	4.3943	ppm
DMS-FPDsulf	4.713	170.1805	1.4501	ppm
		405.9337	9.5042	

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 12:48:30  
 Method: syringe on-column  
 Description: FPDsulfur medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-65.CHR ()  
 Sample: 1ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 12:48:30  
 Method: syringe on-column  
 Description: FPDphos medgain PMT=500  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-65.chr ()  
 Sample: 1ppm sulfur mix  
 Comments: H2 makeup=20Air=3

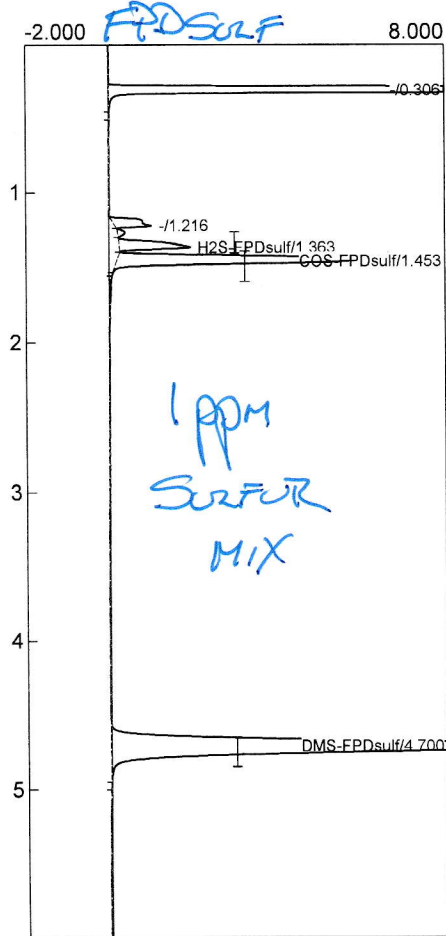
Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/22/2023 12:48:30  
 Method: syringe on-column  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-44.chr ()  
 Sample: 1ppm sulfur mix  
 Comments: H2 makeup=20Air=3

Temperature program:

Init temp Hold Ramp Final temp  
 40.00 10.000 0.000 40.00

Events:

Time Event  
 0.000 ZERO  
 0.000 SOUND  
 0.020 G ON (Valve1Rotate)  
 0.250 E ON (FlameIgnite)  
 0.300 E OFF (FlameIgnite)  
 0.450 INTEG BASED IMMEDIATE  
 2.500 G OFF (Valve1Rotate)



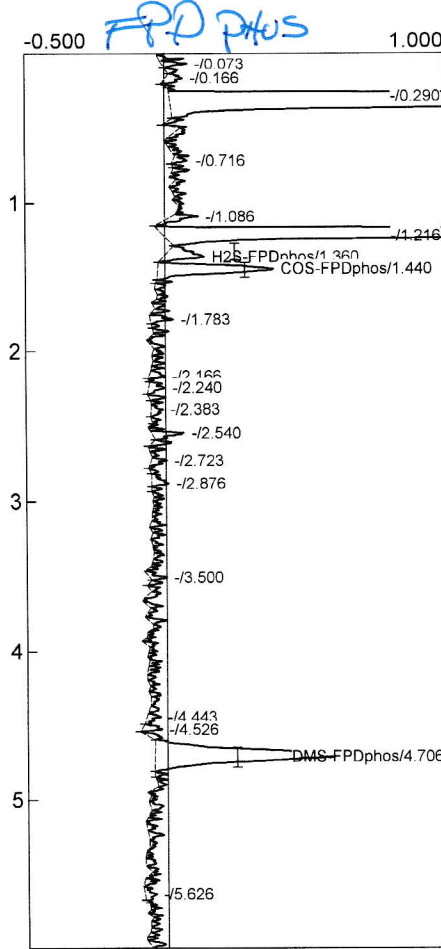
Component	Retention	Area	Internal	Units
H2S-FPDsulf	1.363	4.9994	0.9739	ppm
COS-FPDsulf	1.454	19.4546	1.4885	ppm
DMS-FPDsulf	4.700	59.7966	0.5095	ppm
		84.2506	2.9719	

Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO



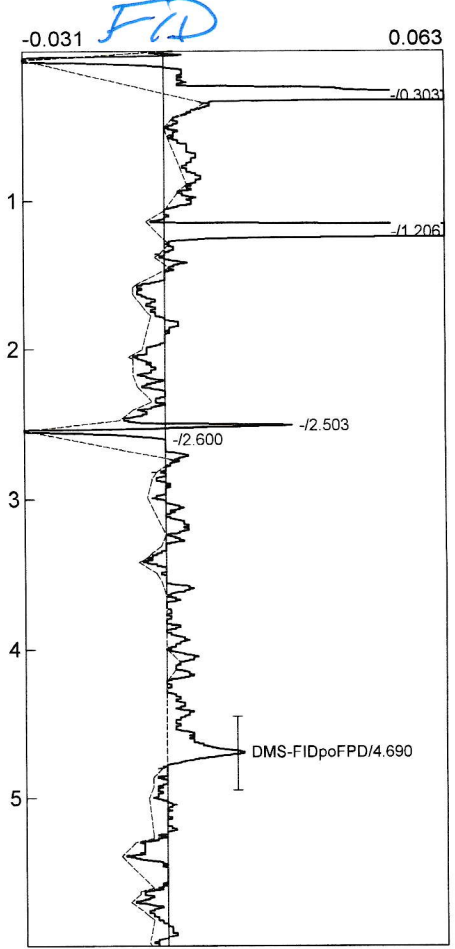
Component	Retention	Area	Internal	Units
H2S-FPDphos	1.360	0.4717	1.3722	ppm
COS-FPDphos	1.440	1.4444	1.6826	ppm
DMS-FPDphos	4.706	3.5986	3.2094	ppm
		5.5147	6.2642	

Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO



Component	Retention	Area	Internal	Units
DMS-FIDpoFPD	4.690	0.1586	3.8281	ppm
		0.1586	3.8281	



Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:25:38  
 Method: syringe on-column  
 Description: FPDsulfur medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-57.CHR ()  
 Sample: 100ppb DEMP  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:25:38  
 Method: syringe on-column  
 Description: FPDphos medgain PMT=500  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-57.chr ()  
 Sample: 100ppb DEMP  
 Comments: H2 makeup=20Air=3

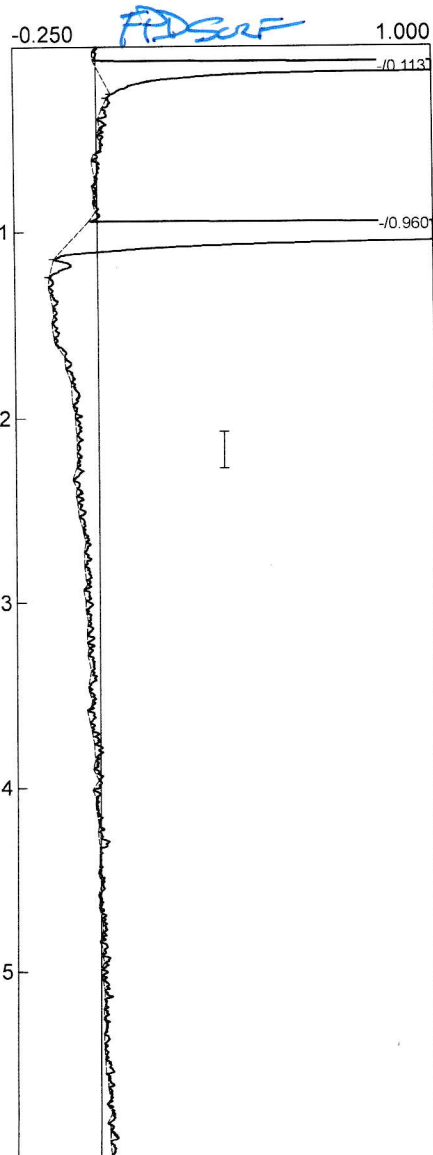
Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:25:38  
 Method: syringe on-column  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-36.chr ()  
 Sample: 100ppb DEMP  
 Comments: H2 makeup=20Air=3

Temperature program:

Init temp Hold Ramp Final temp  
 180.00 7.000 0.000 180.00

Events:

Time Event  
 0.000 ZERO  
 0.000 SOUND  
 0.050 E ON (FlameIgnite)  
 0.100 E OFF (FlameIgnite)  
 0.250 INTEG BASED IMMEDIATE

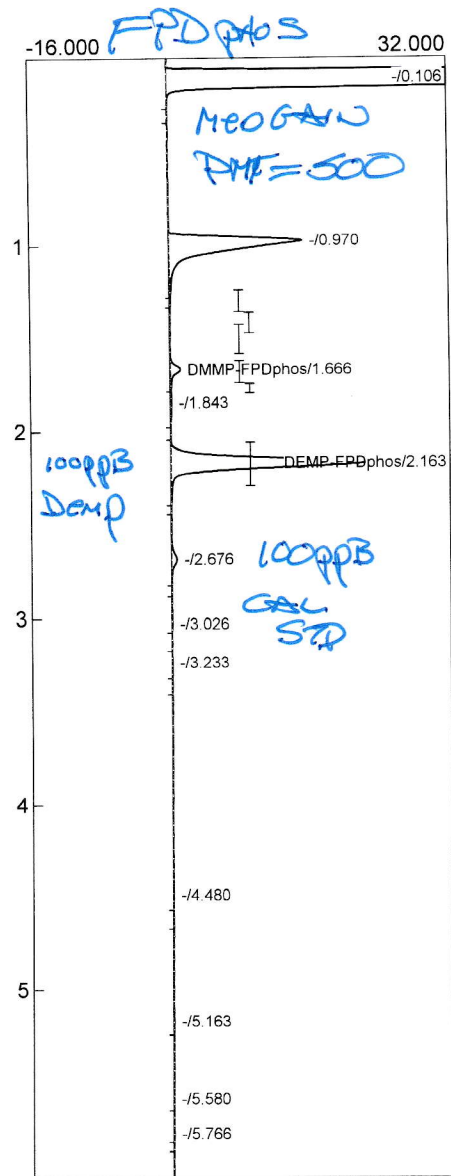


Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO

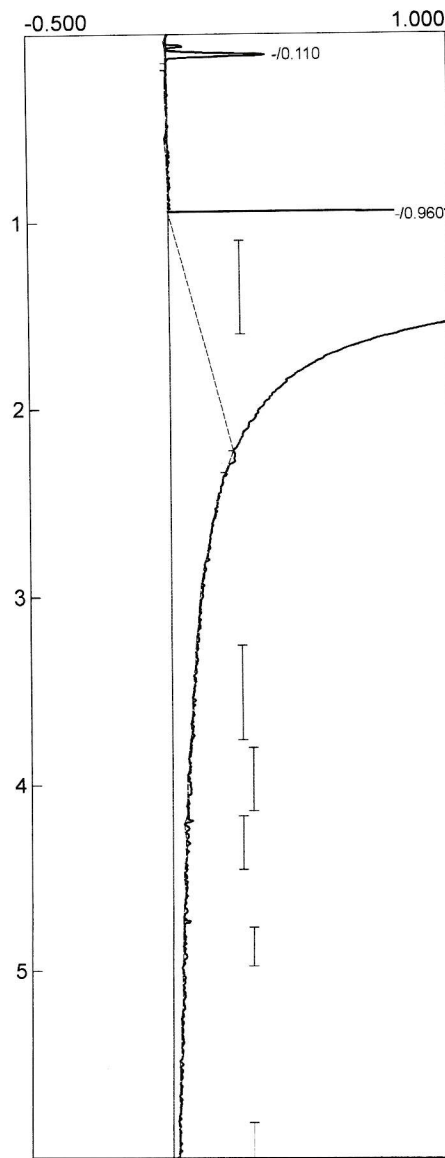


Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event  
 0.000 ZERO



Component	Retention	Area	Internal	Units
CS2	0.000	0.0000	0.0000	ppm
		0.0000	0.0000	

Component	Retention	Area	Internal	Units
H2S-FPDphos	0.000	0.0000	0.0000	
COS-FPDphos	0.000	0.0000	0.0000	
CS2-FPDphos	0.000	0.0000	0.0000	ppm
DMMP-FPDphos	1.666	3.8274	4.7471	ppb
DMS-FPDphos	0.000	0.0000	0.0000	
DEMP-FPDphos	2.163	81.8223	100.0000	ppb
		85.6497	104.7471	

Component	Retention	Area	Internal	Units
Methanol	0.000	0.0000	0.0000	%
TCE	0.000	0.0000	0.0000	ppm
Benzene	0.000	0.0000	0.0000	ppm
Toluene	0.000	0.0000	0.0000	ppm
DMMP-FID	0.000	0.0000	0.0000	ppm
DEMP-FID	0.000	0.0000	0.0000	ppm
PCE	0.000	0.0000	0.0000	ppm
EBenz	0.000	0.0000	0.0000	ppm
MXylene	0.000	0.0000	0.0000	ppm
Bromoform	0.000	0.0000	0.0000	ppm

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:10:13  
 Method: syringe on-column  
 Description: FPDsulfur medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-56.CHR ()  
 Sample: dry syringe DEMP  
 Comments: H2 makeup=20Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:10:13  
 Method: syringe on-column  
 Description: FPDphos medgain PMT=500  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-56.chr ()  
 Sample: dry syringe DEMP  
 Comments: H2 makeup=20Air=3

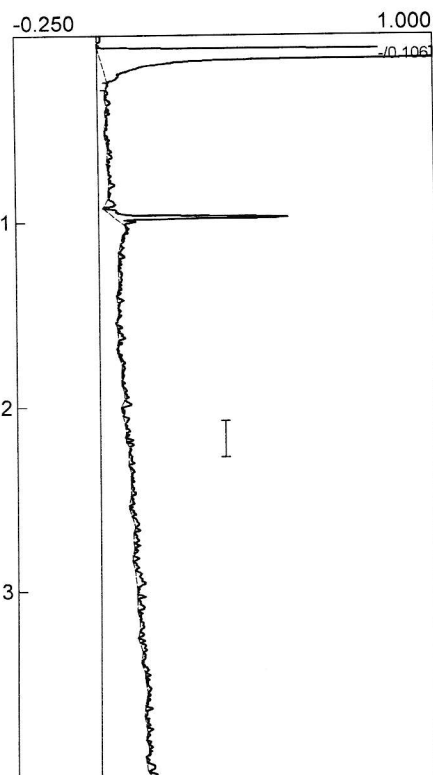
Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/21/2023 13:10:13  
 Method: syringe on-column  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@15psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-35.chr ()  
 Sample: dry syringe DEMP  
 Comments: H2 makeup=20Air=3

Temperature program:

Init temp	Hold	Ramp	Final temp
180.00	7.000	0.000	180.00

Events:

Time	Event
0.000	ZERO
0.000	SOUND
0.050	E ON (Flamelgnite)
0.100	E OFF (Flamelgnite)
0.250	INTEG BASED IMMEDIATE

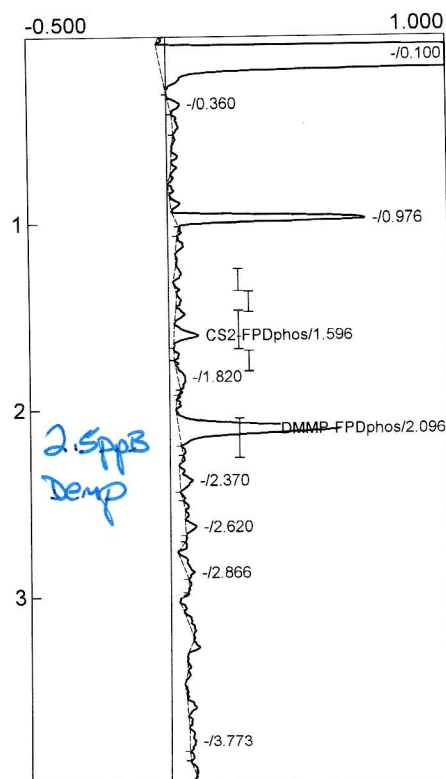


Temperature program:

Init temp	Hold	Ramp	Final temp
180.00	7.000	0.000	180.00

Events:

Time	Event
0.000	ZERO

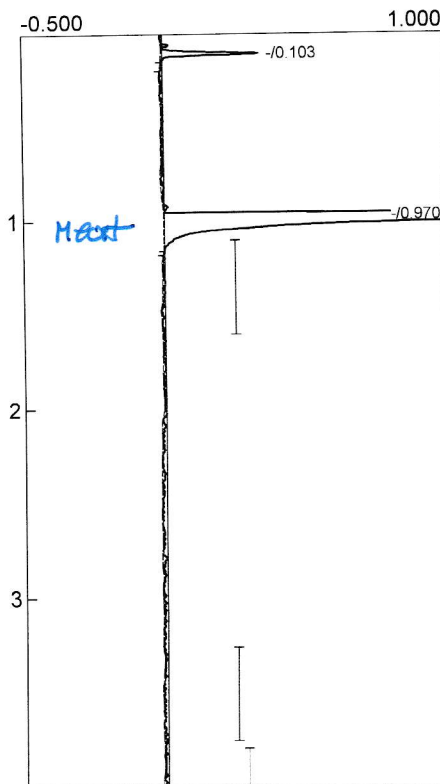


Temperature program:

Init temp	Hold	Ramp	Final temp
180.00	7.000	0.000	180.00

Events:

Time	Event
0.000	ZERO



Component	Retention	Area	Internal	Units
H2S-FPDphos	0.000	0.0000	0.0000	
COS-FPDphos	0.000	0.0000	0.0000	
CS2-FPDphos	1.596	0.2562	0.0006	ppm
DMS-FPDphos	0.000	0.0000	0.0000	
DMMP-FPDphos	2.096	2.0046	2.4863	ppb
DEMP-FPDphos	4.630	0.1145	0.4377	ppb
		2.3753	2.9245	

Component	Retention	Area	Internal	Units
Methanol	0.000	0.0000	0.0000	%
TCE	0.000	0.0000	0.0000	ppm
Benzene	0.000	0.0000	0.0000	ppm
Toluene	0.000	0.0000	0.0000	ppm
DMMP-FID	0.000	0.0000	0.0000	ppm
DEMP-FID	0.000	0.0000	0.0000	ppm
PCE	0.000	0.0000	0.0000	ppm
EBenz	0.000	0.0000	0.0000	ppm
MXylene	0.000	0.0000	0.0000	ppm
Bromoform	0.000	0.0000	0.0000	ppm
OXylene	0.000	0.0000	0.0000	ppm
		0.0000	0.0000	

Component	Retention	Area	Internal	Units
CS2	0.000	0.0000	0.0000	ppm
		0.0000	0.0000	

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/17/2023 15:39:02  
 Method: 1ml loop sulfinert backflush  
 Description: FPDsulfur medgain PMT=400659  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-38.CHR ()  
 Sample: 1ul 25ppm CS2  
 Comments: H2 makeup=30Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/17/2023 15:39:02  
 Method: 1ml loop sulfinert backflush  
 Description: FPDphos medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-38.chr ()  
 Sample: 1ul 25ppm CS2  
 Comments: H2 makeup=30Air=3

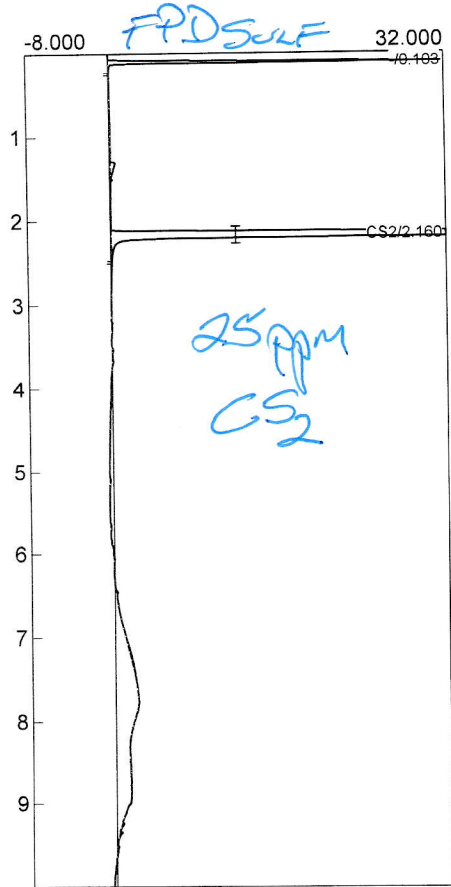
Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/17/2023 15:39:02  
 Method: 1ml loop sulfinert backflush  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-17.chr ()  
 Sample: 1ul 25ppm CS2  
 Comments: H2 makeup=30Air=3

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	0.000	30.000	250.00
250.00	1.000	0.000	250.00
50.00	1.000	10.000	70.00

Events:

Time	Event
0.000	ZERO
0.000	SOUND
0.050	E ON (FlameIgnite)
0.100	E OFF (FlameIgnite)
0.250	INTEG BASED IMMEDIATE



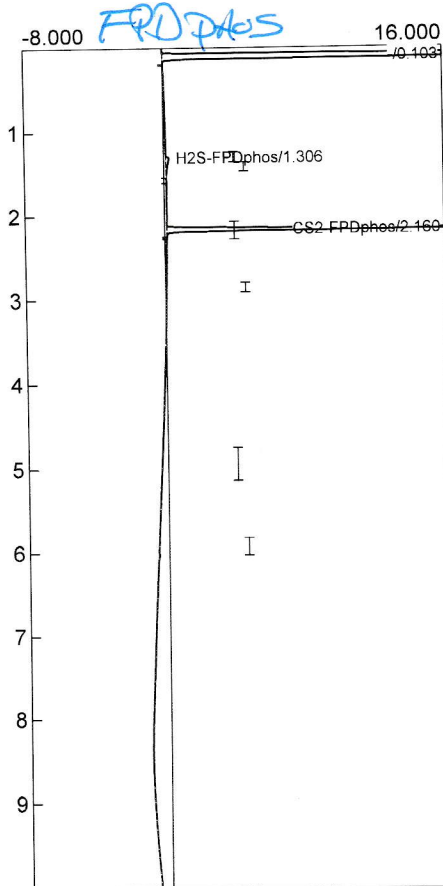
Component	Retention	Area	Internal	Units
CS2	2.160	2480.6992	0.0000	ppm
		2480.6992	0.0000	

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	0.000	30.000	250.00
250.00	1.000	0.000	250.00
50.00	1.000	10.000	70.00

Events:

Time	Event
0.000	ZERO



Component	Retention	Area	Internal	Units
H2S-FPDphos	1.306	1.2195	0.0000	
COS-FPDphos	0.000	0.0000	0.0000	
CS2-FPDphos	2.160	36.3318	0.0822	ppm
DMS-FPDphos	0.000	0.0000	0.0000	
DMMP-FPDphos	0.000	0.0000	0.0000	
DEMP-FPDphos	0.000	0.0000	0.0000	ppm

CS2	2.160	2480.6992	0.0000	ppm
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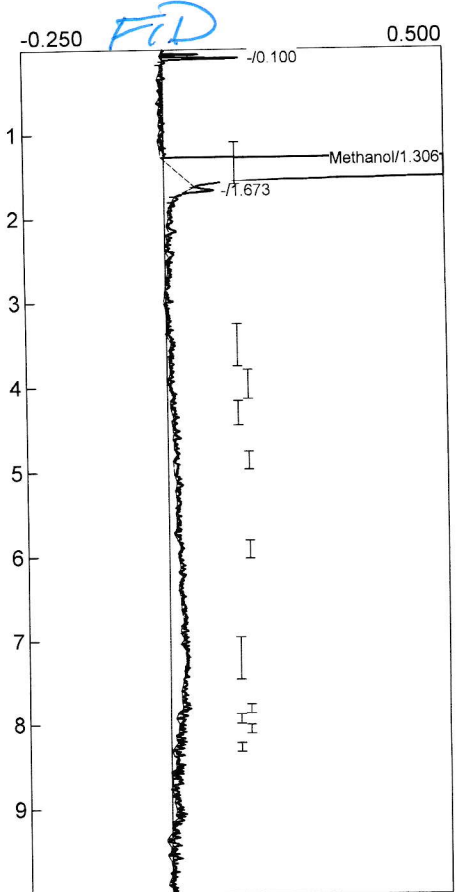
		2480.6992	0.0000	
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Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	0.000	30.000	250.00
250.00	1.000	0.000	250.00
50.00	1.000	10.000	70.00

Events:

Time	Event
0.000	ZERO



Component	Retention	Area	Internal	Units
Methanol	1.306	1383.0658	0.0000	%
TCE	0.000	0.0000	0.0000	ppm
Benzene	0.000	0.0000	0.0000	ppm
Toluene	0.000	0.0000	0.0000	ppm
DMMP-FID	0.000	0.0000	0.0000	ppm
DEMP-FID	0.000	0.0000	0.0000	ppm
PCE	0.000	0.0000	0.0000	ppm
EBenz	0.000	0.0000	0.0000	ppm
MXylene	0.000	0.0000	0.0000	ppm
Bromoform	0.000	0.0000	0.0000	ppm
OXylene	0.000	0.0000	0.0000	ppm

		1383.0658	0.0000	
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Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/16/2023 14:08:05  
 Method: 1ml loop sulfinert backflush  
 Description: FPDsulfur medgain PMT=400659  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelOne-22.CHR ()  
 Sample: 1ul 100ppm BTEX on-column  
 Comments: H2 makeup=30Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/16/2023 14:08:05  
 Method: 1ml loop sulfinert backflush  
 Description: FPDphos medgain PMT=400  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelTwo-22.chr ()  
 Sample: 1ul 100ppm BTEX on-column  
 Comments: H2 makeup=30Air=3

Lab name: SRI Instruments  
 Client: Chromservis  
 Client ID: N12551  
 Analysis date: 11/16/2023 14:08:05  
 Method: 1ml loop sulfinert backflush  
 Description: FID po dualFPDmedgain  
 Column: 60MXT1  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0  
 Data file: ChannelThree-01.chr ()  
 Sample: 1ul 100ppm BTEX on-column  
 Comments: H2 makeup=30Air=3

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	1.000	20.000	250.00
250.00	4.000	0.000	250.00

Events:

Time	Event
0.000	ZERO
0.000	SOUND
0.050	E ON (Flameignite)
0.100	E OFF (Flameignite)
0.250	INTEG BASED IMMEDIATE

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	1.000	20.000	250.00
250.00	4.000	0.000	250.00

Events:

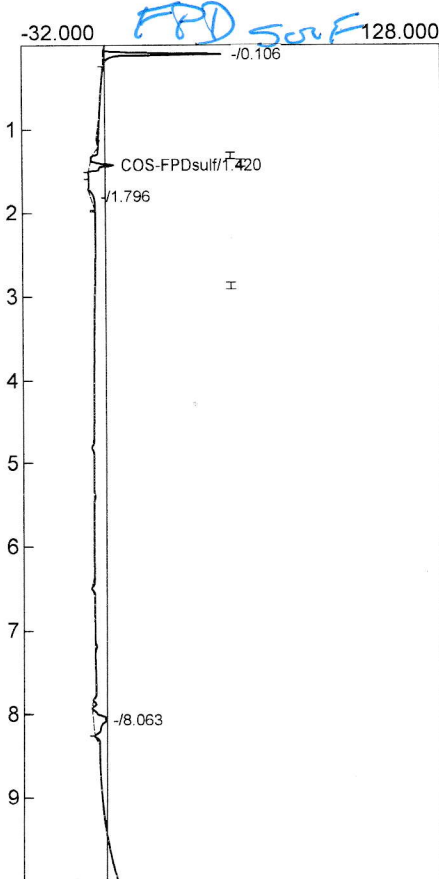
Time	Event
0.000	ZERO

Temperature program:

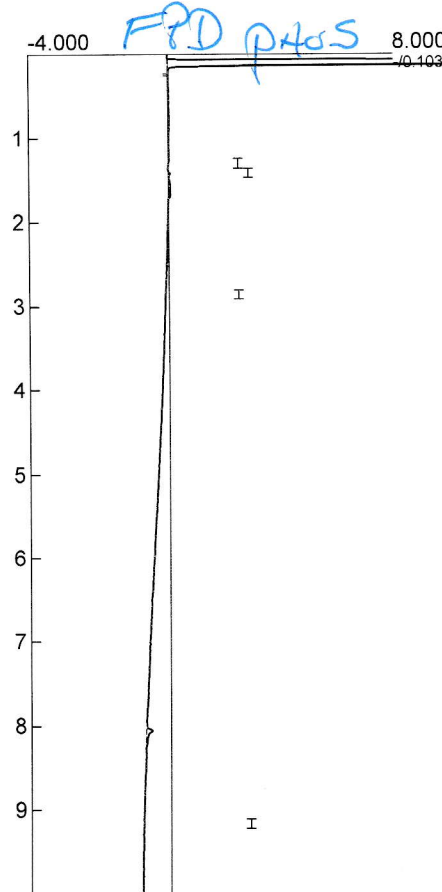
Init temp	Hold	Ramp	Final temp
50.00	1.000	20.000	250.00
250.00	4.000	0.000	250.00

Events:

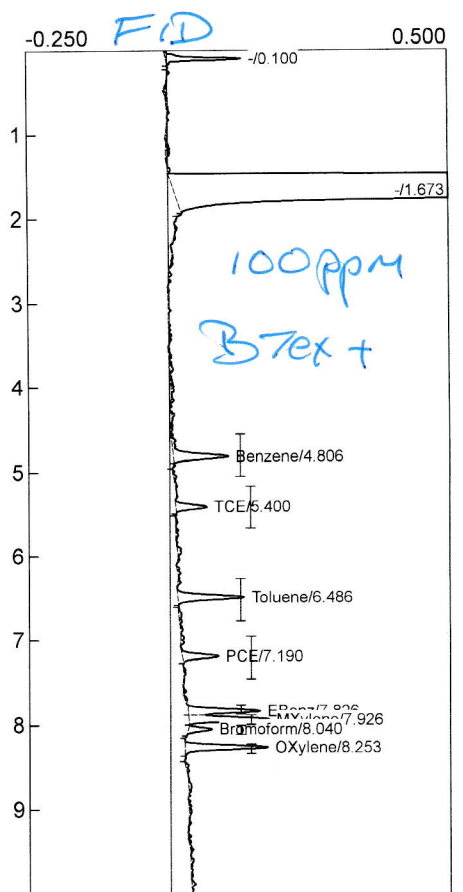
Time	Event
0.000	ZERO



Component	Retention	Area	Internal	Units
H2S-FPDsulf	0.000	0.0000	0.0000	ppm
COS-FPDsulf	1.420	29.3224	0.0000	ppm
DMS-FPDsulf	0.000	0.0000	0.0000	ppm
		29.3224	0.0000	

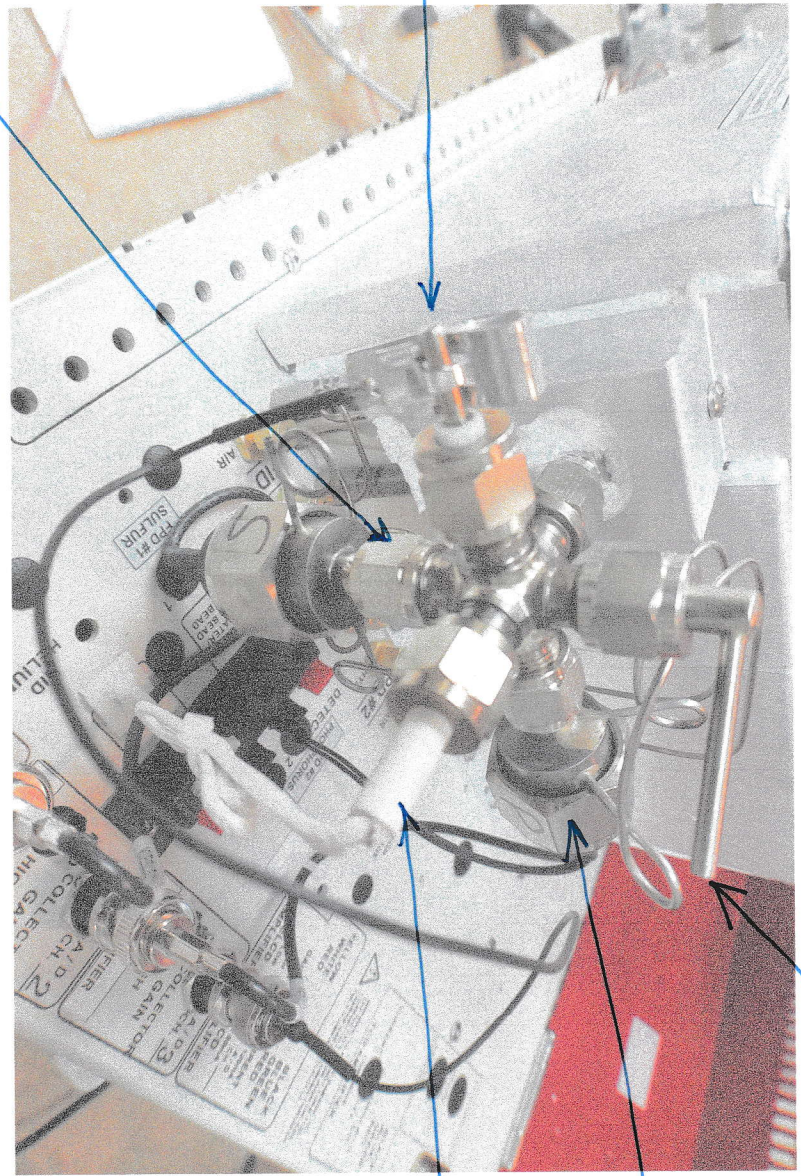


Component	Retention	Area	Internal	Units
H2S-FPDphos	0.000	0.0000	0.0000	
COS-FPDphos	0.000	0.0000	0.0000	
DMS-FPDphos	0.000	0.0000	0.0000	
DMMP-FPDphos	0.000	0.0000	0.0000	
		0.0000	0.0000	



Component	Retention	Area	Internal	Units
Benzene	4.806	0.4842	0.0000	ppm
TCE	5.400	0.2166	0.0000	ppm
Toluene	6.486	0.4803	0.0000	ppm
PCE	7.190	0.2486	0.0000	ppm
EBenz	7.826	0.4541	0.0000	ppm
MXylene	7.926	0.5154	0.0000	ppm
Bromoform	8.040	0.1370	0.0000	ppm
OXylene	8.253	0.5322	0.0000	ppm
		3.0684	0.0000	

SRI Dual FPD + FID  
Detector 11-22-2023



FID  
COLLECTOR  
ELECTRODE

Sulfur Filter  
+ PHT

IGNITOR

PHOSPHORUS  
FILTER  
+ PHT

GAS EXIT