

ISOPRENE + TERPES  
GC CONFIG  
6-19-2022

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 10:55:46  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 100.00 Standard=  
 Data file: IsoprenePID1-468.CHR ()  
 Sample: 1 minute 10ppb

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 10:55:46  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID2-468.chr ()  
 Sample: 1 minute 10ppb

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

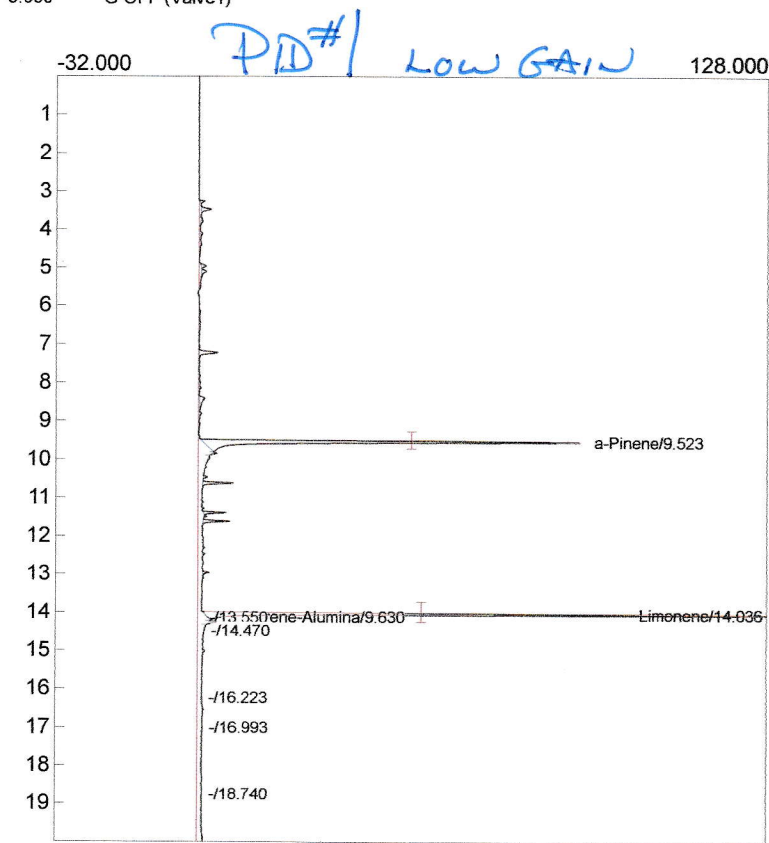
Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)

Temperature program:

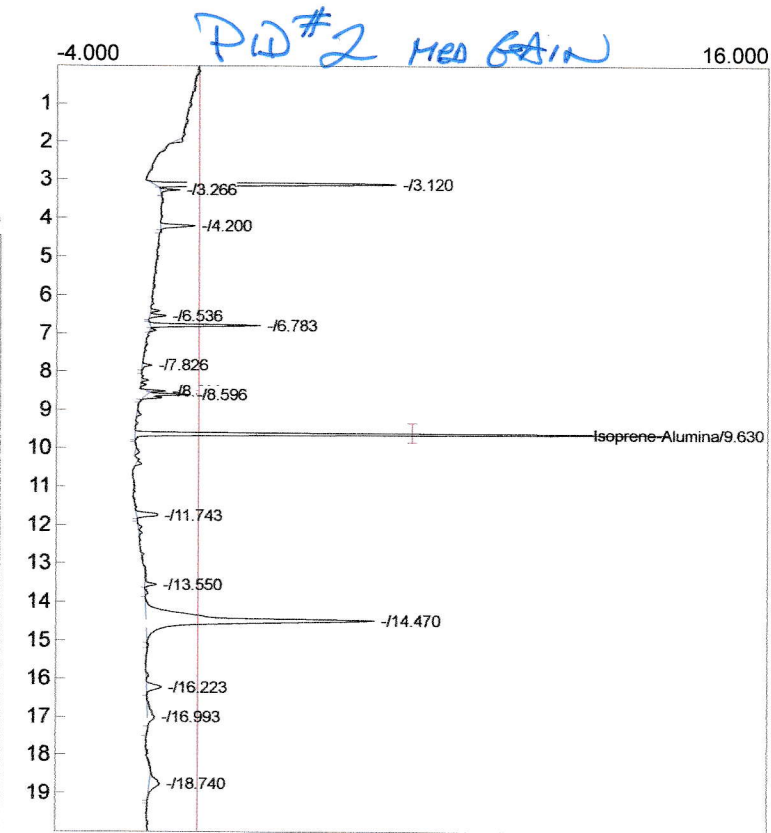
Init temp	Hold	Ramp	Final temp
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Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
a-Pinene	9.523	330.3671	1.1771	ppb
Limonene	14.036	377.0595	1.0052	ppb
Isoprene-Alumina	9.630	52.1640	1.0008	ppb
		759.5906	3.1831	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.630	52.1640	1.0008	ppb
		52.1640	1.0008	

1 minute 10 ppb  
 TEDLAR BAG

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 11:28:07  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 100.00 Standard=  
 Data file: IsoprenePID1-469.chr ()  
 Sample: 5 minute 10ppb

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)

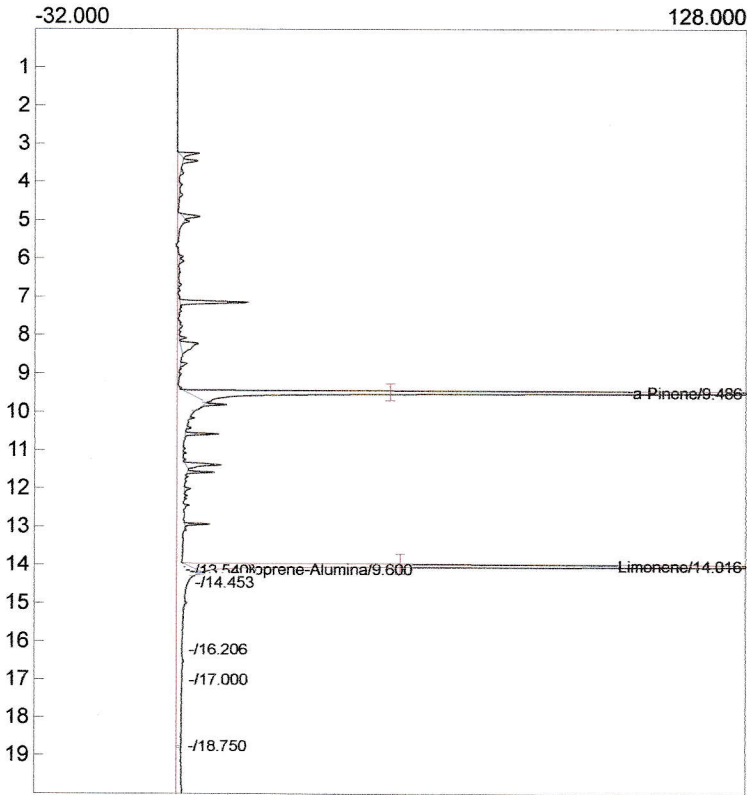
Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 11:28:07  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID2-469.CHR ()  
 Sample: 5 minute 10ppb

Temperature program:

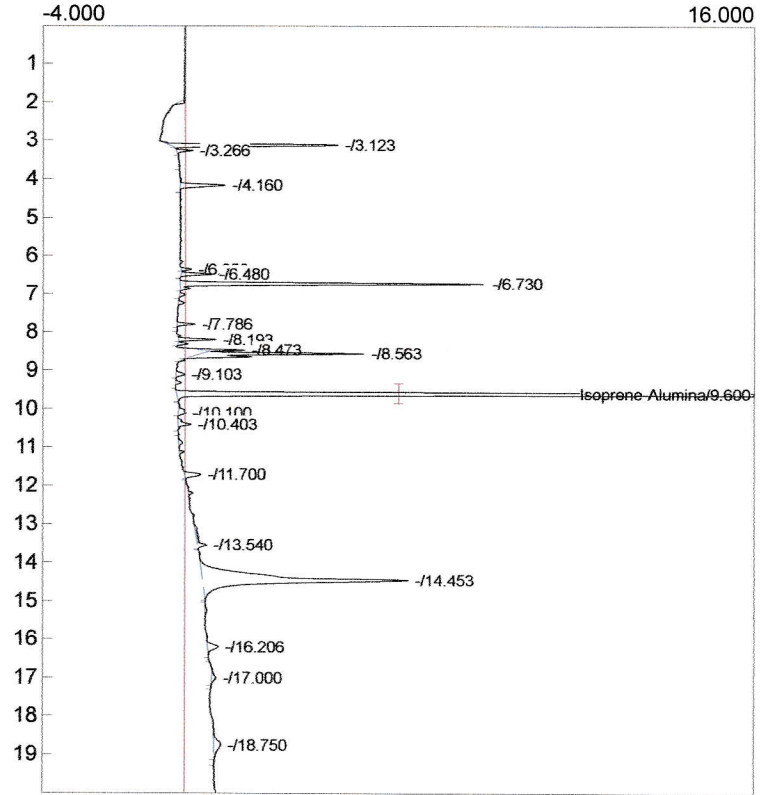
Init temp	Hold	Ramp	Final temp
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Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
a-Pinene	9.486	1222.5782	4.9172	ppb
Limonene	14.016	1742.7918	4.9990	ppb
Isoprene-Alumina	9.600	159.0083	5.0010	ppb
		3124.3783	14.9172	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.600	159.0083	5.0010	ppb
		159.0083	5.0010	

5 MINUTES 10 PPB  
 TEOLAR BAG

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 11:59:34  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 100.00 Standard=  
 Data file: IsoprenePID1-470.chr ()  
 Sample: 10 minute 10ppb

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)

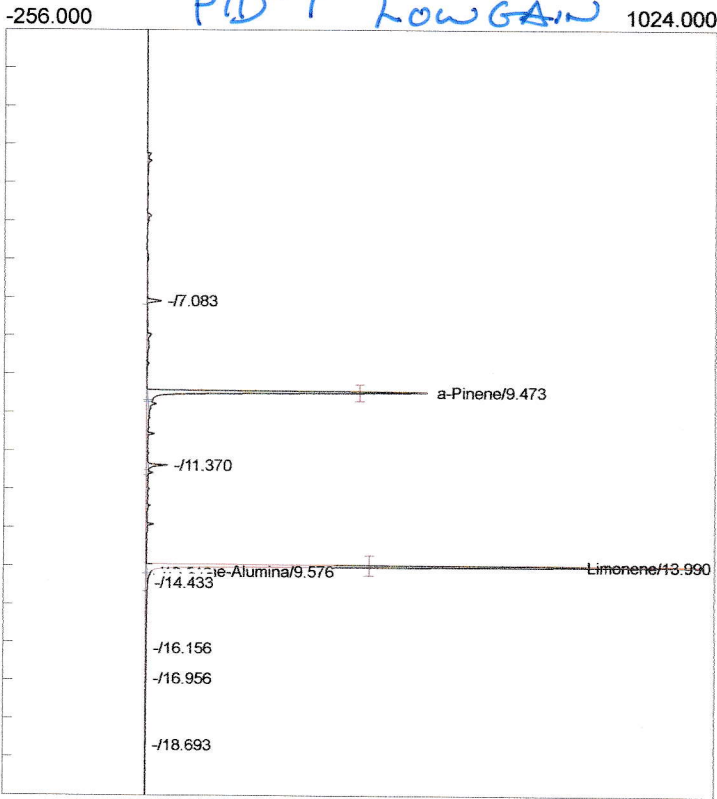
Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 11:59:34  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID2-470.chr ()  
 Sample: 10 minute 10ppb

Temperature program:

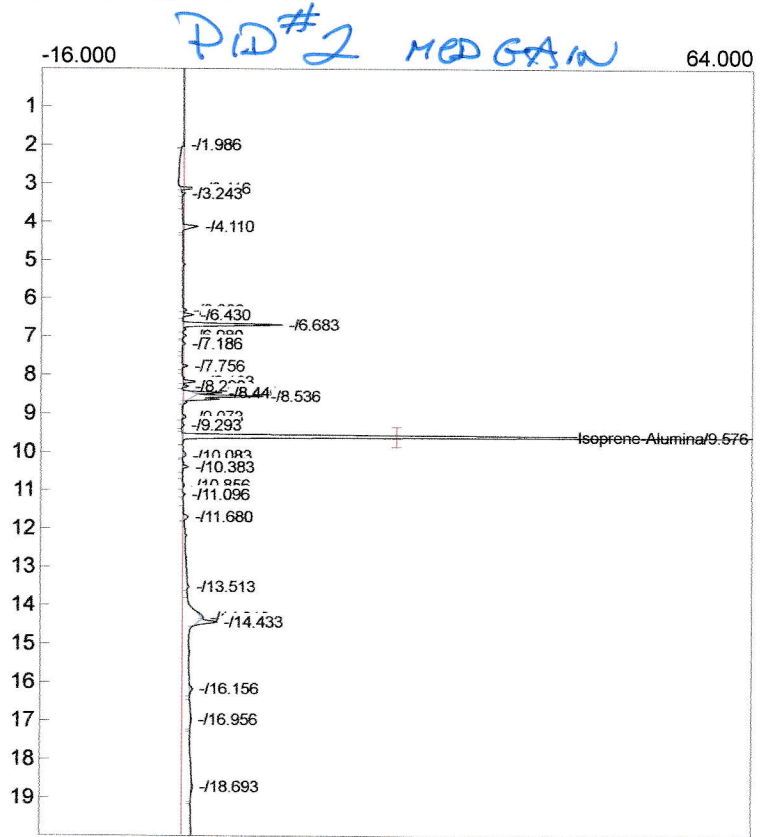
Init temp	Hold	Ramp	Final temp
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Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
a-Pinene	9.473	2055.2926	10.0313	ppb
Limonene	13.990	3152.6262	10.0005	ppb
Isoprene-Alumina	9.576	264.8954	10.0811	ppb
		5472.8142	30.1129	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.576	264.8954	10.0811	ppb
		264.8954	10.0811	

10 MINUTES 10 PPB  
 TOWER BAG

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 12:52:37  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 10.00 Standard=1  
 Data file: IsoprenePID1-471.chr ()  
 Sample: 10 minute room air

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 12:52:37  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=1  
 Data file: IsoprenePID2-471.CHR ()  
 Sample: 10 minute room air

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

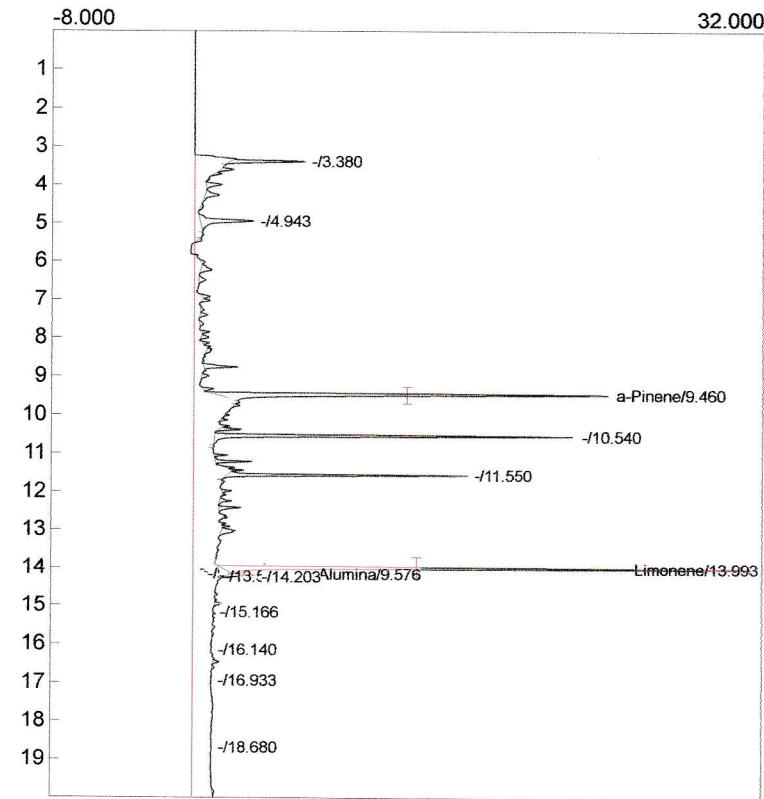
Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)
10.000	D ON (VacuumPump)

Temperature program:

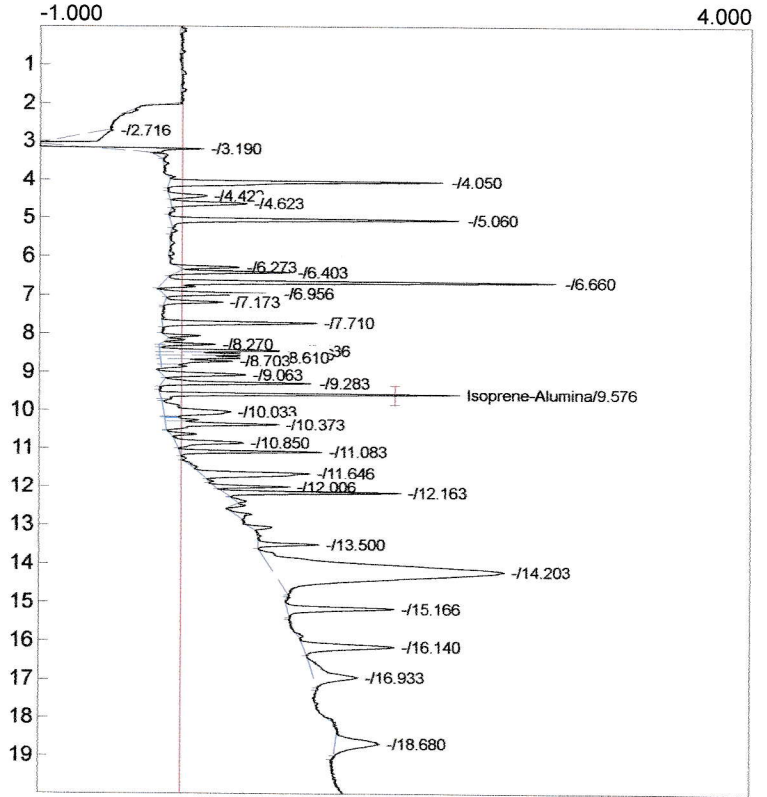
Init temp	Hold	Ramp	Final temp
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Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
a-Pinene	9.460	84.9280	0.2955	ppb
Limonene	13.993	92.1778	0.2429	ppb
Isoprene-Alumina	9.576	7.5188	0.1940	ppb
		184.6246	0.7325	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.576	7.5188	0.1940	ppb
		7.5188	0.1940	

1st 10 MINUTE ROOM AIR  
 AFTER 10 MINUTES 10 ppb

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 13:18:50  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID1-472.chr ()  
 Sample: 10 minute room air

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 13:18:50  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID2-472.CHR ()  
 Sample: 10 minute room air

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

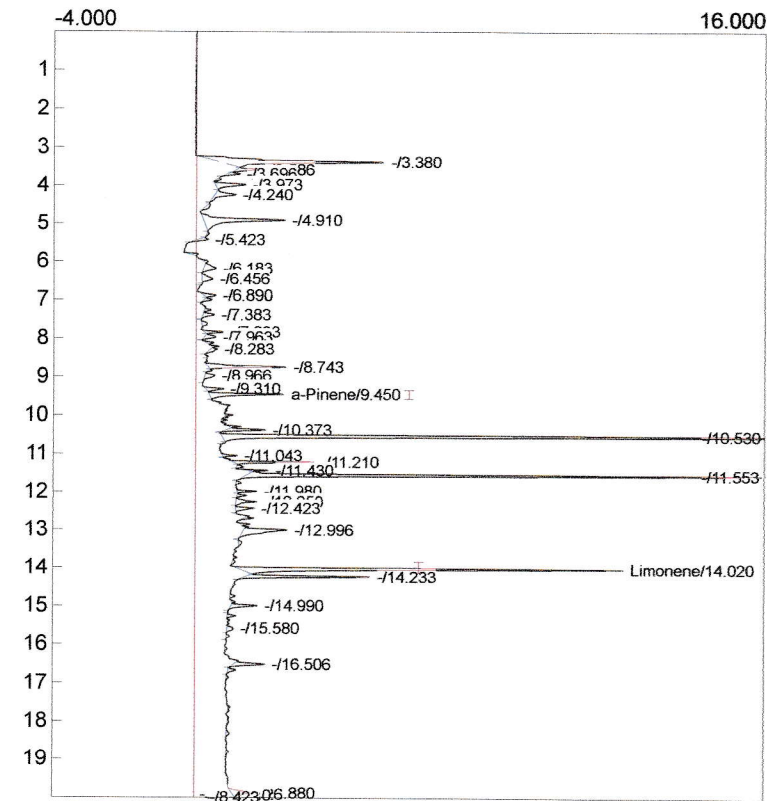
Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)

Temperature program:

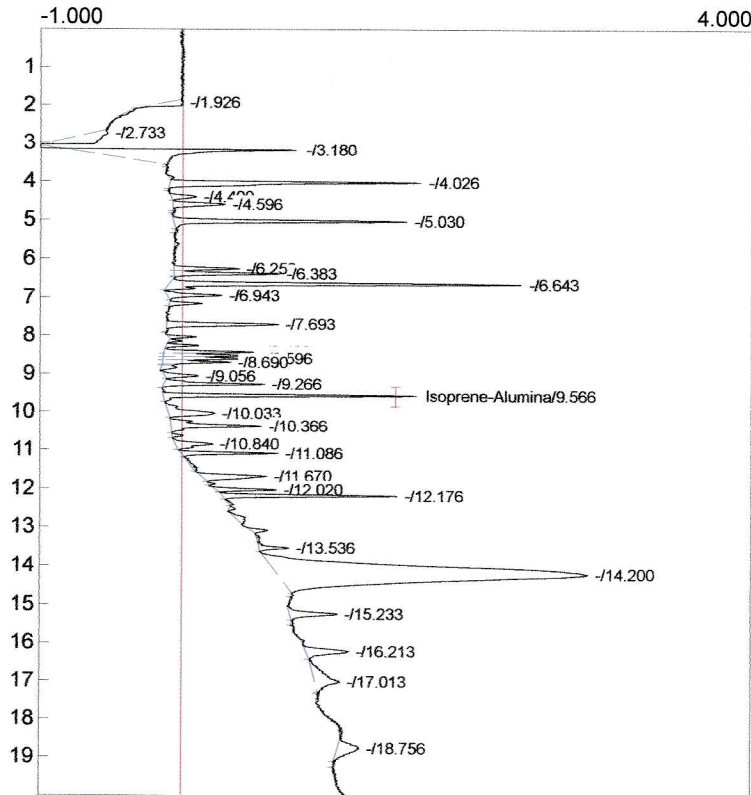
Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
a-Pinene	9.450	7.6549	0.0266	ppb
Limonene	14.020	35.2674	0.0929	ppb
Isoprene-Alumina	9.566	6.4396	0.1662	ppb
		49.3619	0.2858	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.566	6.4396	0.1662	ppb
		6.4396	0.1662	

2nd 10 MINUTE ROOM AIR  
 AFTER 10 PPB BAG

Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 13:45:45  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#1 low gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID1-473.chr ()  
 Sample: Trap Blank

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
2.000	G ON (Valve1)
2.000	INTEG IMMEDIATE
2.100	D ON (VacuumPump)
2.900	D OFF (VacuumPump)
3.000	F OFF (TrapHeat)
3.000	G OFF (Valve1)

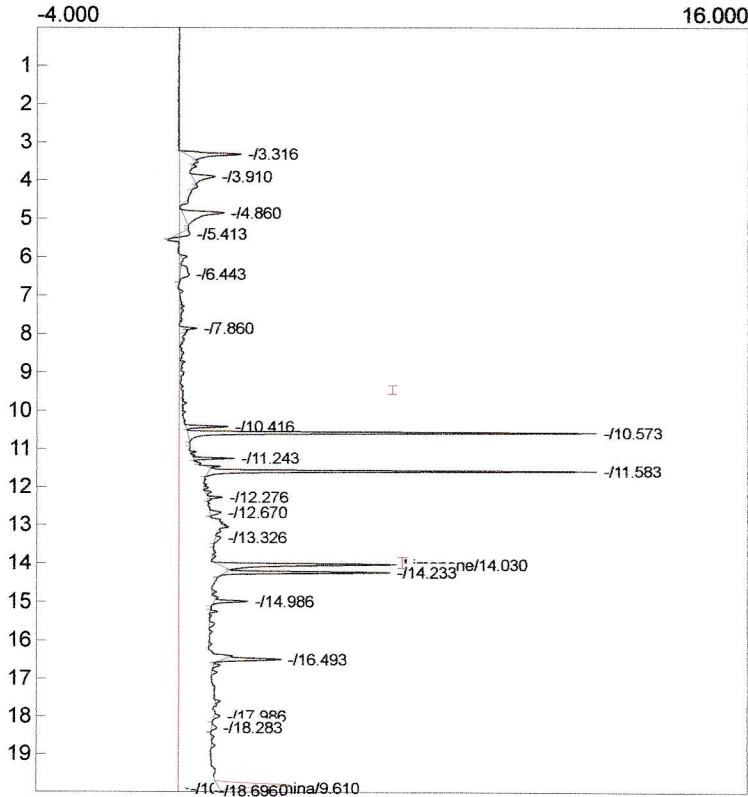
Lab name: SRI Instruments  
 Client: SRI Final Test  
 Client ID: N12252  
 Analysis date: 06/19/2022 13:45:45  
 Method: Trap50/50 Tenax/CarbX 250des  
 Description: PID#2 medium gain  
 Column: 30MXTwax PC+15MXTalum  
 Carrier: H2@10psi  
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=11  
 Data file: IsoprenePID2-473.CHR ()  
 Sample: Trap Blank

Temperature program:

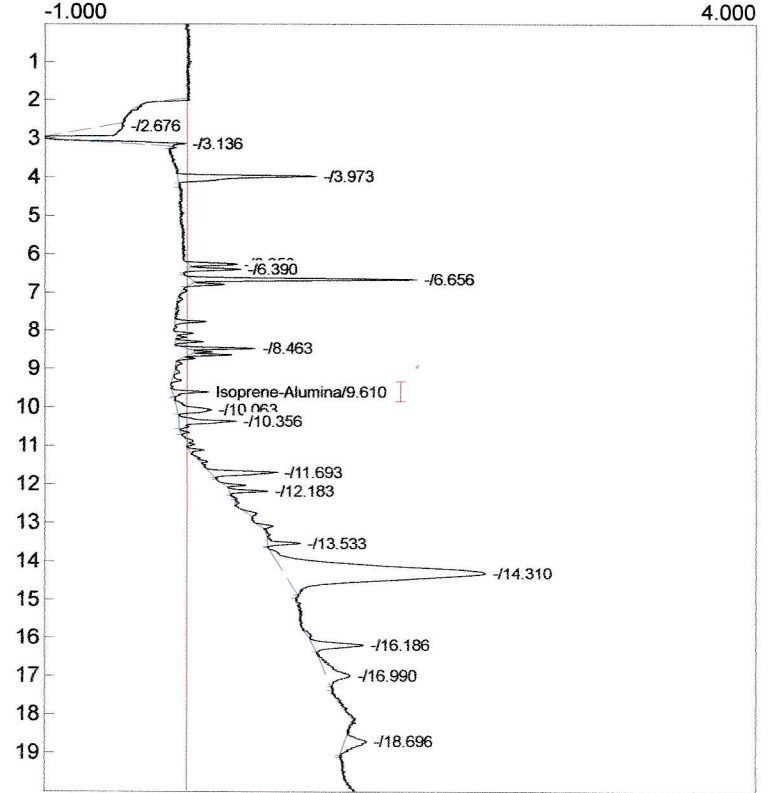
Init temp	Hold	Ramp	Final temp
50.00	4.000	20.000	210.00
210.00	8.000	0.000	210.00

Events:

Time	Event
0.000	ZERO
0.300	INTEG IMMEDIATE

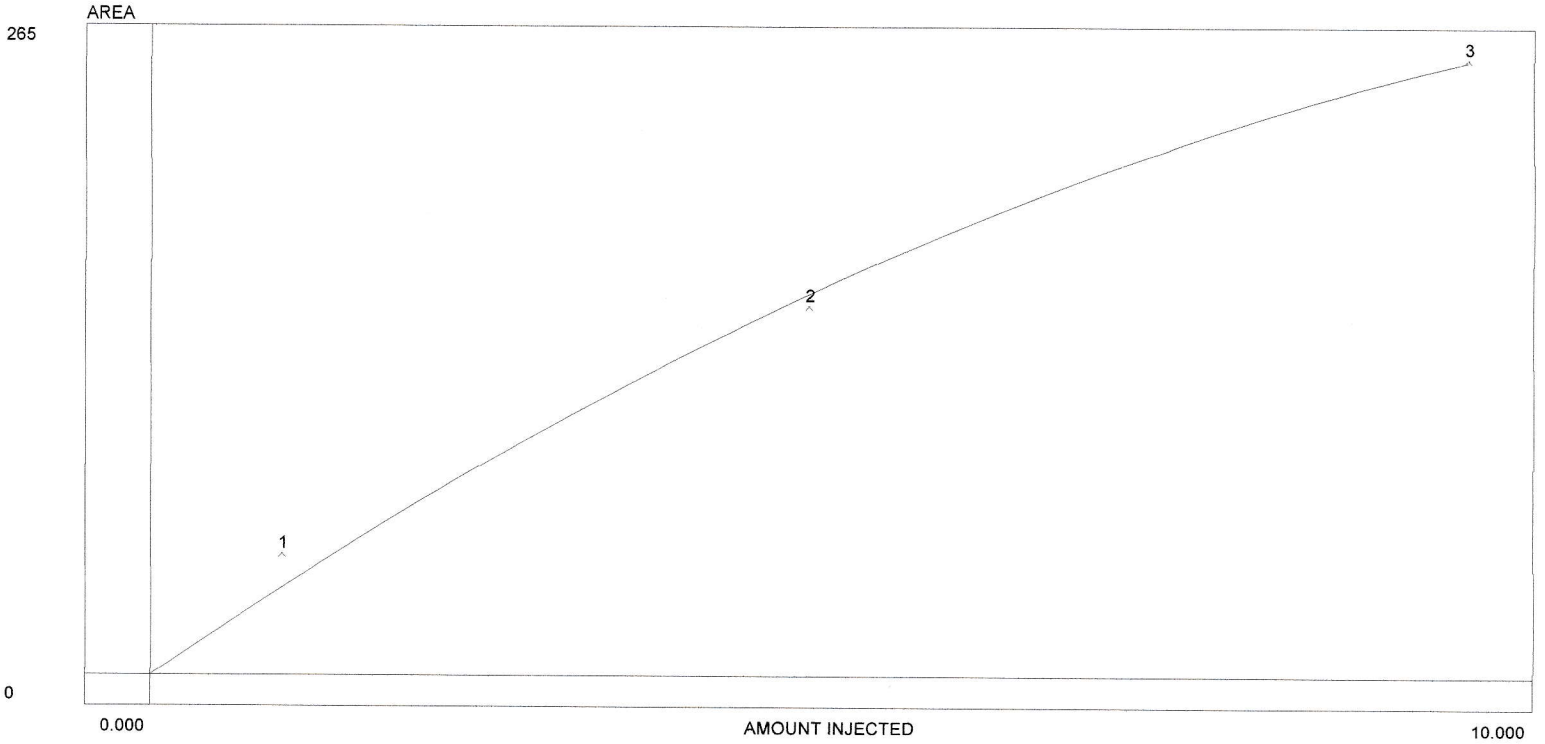


Component	Retention	Area	Internal	Units
a-Pinene	0.000	0.0000	0.0000	ppb
Limonene	14.030	19.3580	0.0510	ppb
Isoprene-Alumina	9.610	1.1342	0.0293	ppb
		20.4922	0.0803	



Component	Retention	Area	Internal	Units
Isoprene-Alumina	9.610	1.1342	0.0293	ppb
		1.1342	0.0293	

TRAP BLANK  
 NO SAMPLE

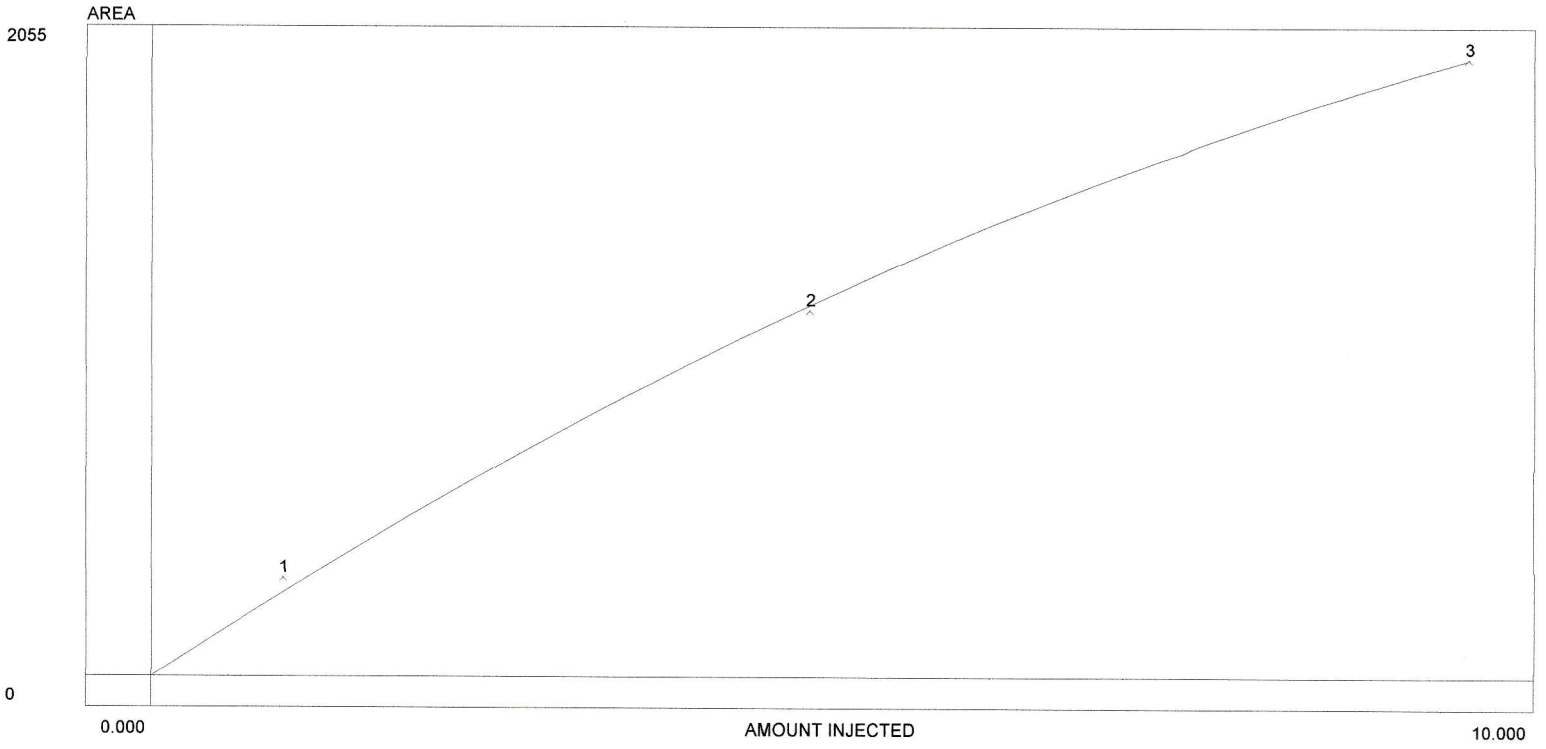


Avg slope of curve: 26.38  
 Y-axis intercept: 0.00  
 Linearity: 0.68  
 Number of levels: 3  
 SD/rel SD of CF's: 13.6/36.8  
 $Y = -1.2894X^2 + 39.2697X$   
 $r^2: 0.9899$   
 Last calibrated: Sun Jun 19 12:38:24 2022

*ISOPRENE CAL CURVE*

Lvl.	Area/ht.	Amount	CF	Current	Previous #1	Previous #2
1	52.164	1.000	52.164	52.164	N/A	N/A
2	159.008	5.000	31.802	159.008	N/A	N/A
3	264.895	10.000	26.490	264.895	N/A	N/A

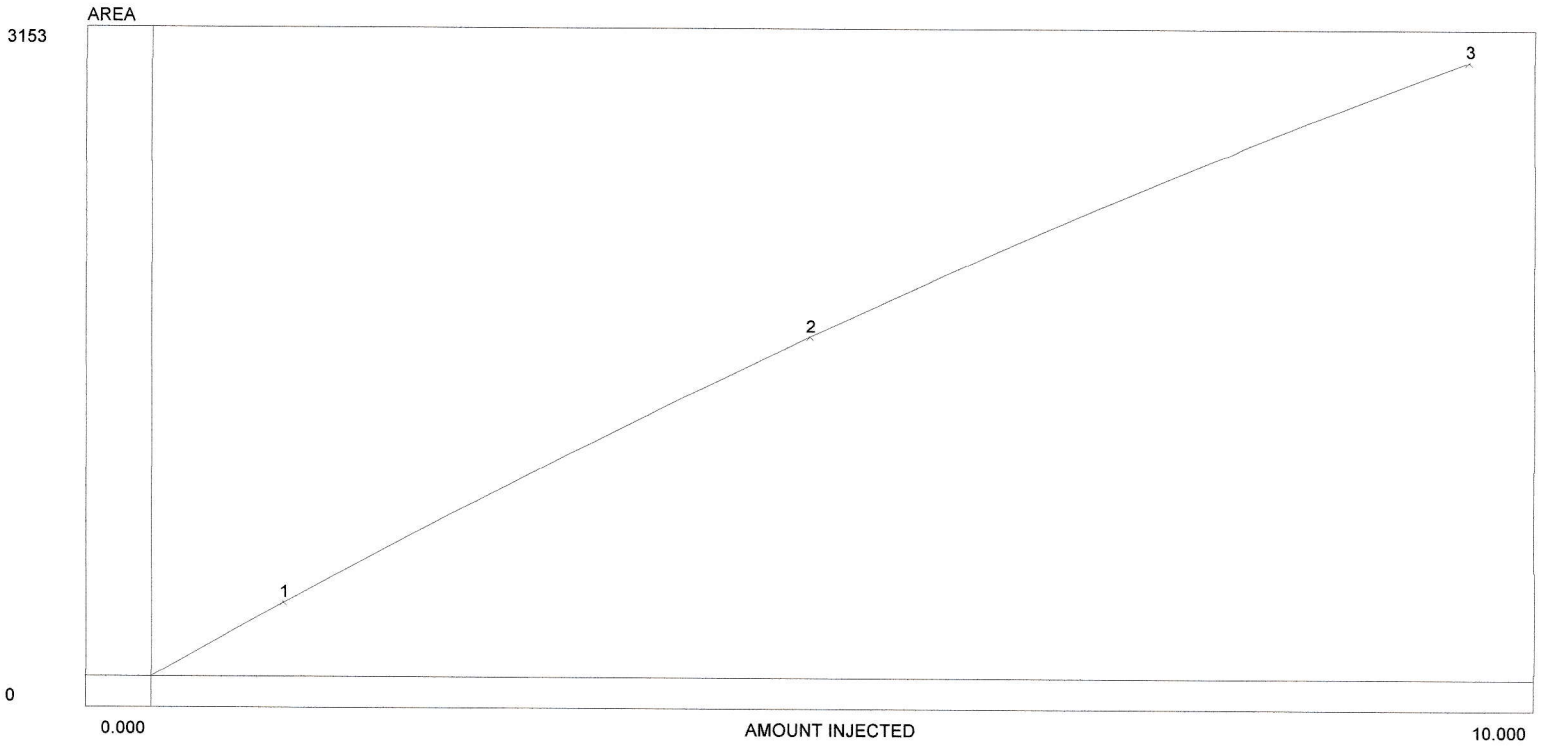




Avg slope of curve: 205.14  
Y-axis intercept: 0.00  
Linearity: 0.71  
Number of levels: 3  
SD/rel SD of CF's: 63.9/24.6  
Y=-8.5672X<sup>2</sup>+290.8160X  
r2: 0.9982  
Last calibrated: Sun Jun 19 12:34:28 2022

*a-Pinene calibration curve*

Lvl.	Area/ht.	Amount	CF	Current	Previous #1	Previous #2
1	330.367	1.000	330.367	330.367	N/A	N/A
2	1222.578	5.000	244.516	1222.578	N/A	N/A
3	2055.293	10.000	205.529	2055.293	N/A	N/A



Avg slope of curve: 315.25

Y-axis intercept: 0.00

Linearity: 0.83

Number of levels: 3

SD/rel SD of CF's: 30.9/8.9

Y=-6.6854X<sup>2</sup>+382.1036X

r2: 1.0000

Last calibrated: Sun Jun 19 12:34:47 2022

*Limonene CALIBRATION*

Lvl.	Area/ht.	Amount	CF	Current	Previous #1	Previous #2
1	377.060	1.000	377.060	377.060	N/A	N/A
2	1742.792	5.000	348.558	1742.792	N/A	N/A
3	3152.626	10.000	315.263	3152.626	N/A	N/A