

Lab name: SRI Final test
 Client: Argonne
 Client ID: N12079
 Analysis date: 08/02/2021 12:20:20
 Method: MG5 12' Haysep D
 Description: FIDmeth med gain 300C
 Column: MG5 set 12' HayD 6' MS5a 3' HayD PC
 Carrier: H2@10psi
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 10.00 Standard=10
 Data file: Ster87.CHR ()
 Sample: 1% mix
 Comments: H2=5psi air=5psi FIDmeth=300C

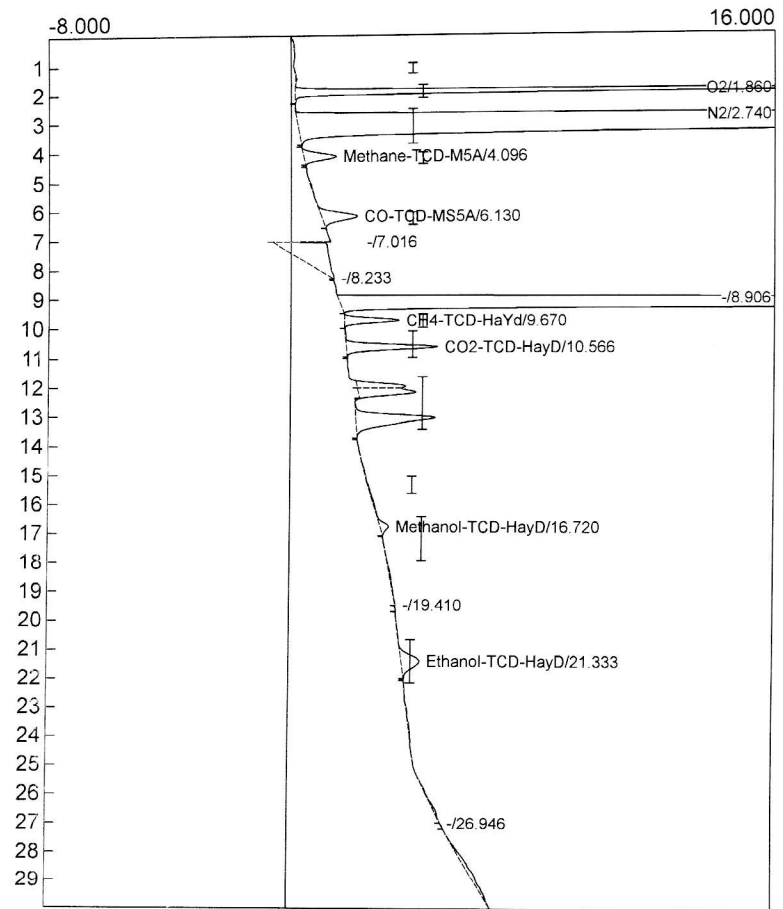
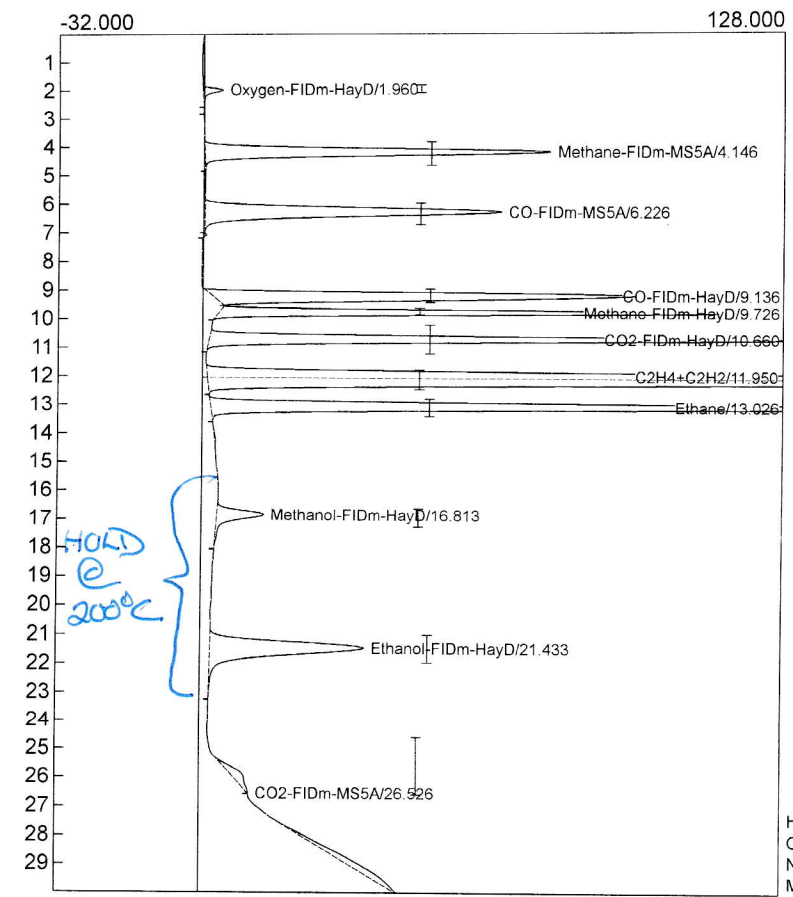
Lab name: SRI Final test
 Client: Techno/Noguchi
 Client ID: N12031
 Analysis date: 08/02/2021 12:20:20
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set
 Carrier: Argon@18psi
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standard=10C
 Data file: AlanTest452.CHR ()
 Sample: 1% mix
 Comments: H2=5psi air=5psi FIDmeth=300C

Temperature program:
 Init temp Hold Ramp Final temp
 50.00 2.000 20.000 110.00
 110.00 6.000 30.000 200.00
 200.00 10.000 30.000 270.00
 270.00 10.000 0.000 270.00

Temperature program:
 Init temp Hold Ramp Final temp

Events:
 Time Event
 0.000 ZERO
 0.020 G ON (Valve1Rotate)
 1.400 G OFF (Valve1Rotate)
 7.000 F ON (TrapHeat)
 19.000 INTEG IMMEDIATE
 20.000 INTEG IMMEDIATE

Events:
 Time Event
 0.000 ZERO
 0.200 INTEG IMMEDIATE
 7.000 INTEG IMMEDIATE



| Component | Retention | Area | Internal | Units | Alarm |
|--------------------|-----------|-----------|-------------|-------|-------|
| Oxygen-FIDm-HayD | 1.960 | 50.2024 | 483366.0697 | % | |
| Methane-FIDm-MS5A | 4.146 | 1255.3692 | 3838.3096 | ppm | |
| CO-FIDm-MS5A | 6.226 | 1347.2802 | 4112.9001 | ppm | |
| CO-FIDm-HayD | 9.136 | 1558.1691 | 4609.7174 | % | |
| Methane-FIDm-HayD | 9.726 | 1300.0613 | 3846.1263 | % | |
| CO2-FIDm-HayD | 10.660 | 1796.7884 | 5584.6857 | % | |
| C2H4+C2H2 | 11.950 | 4916.0014 | 15279.6638 | % | |
| Ethane | 13.026 | 2666.8290 | 8288.9013 | % | |
| Methanol-FIDm-HayD | 16.813 | 235.0298 | 6.3340 | | |
| Ethanol-FIDm-HayD | 21.433 | 1054.6242 | 28.4218 | | |
| CO2-FIDm-MS5A | 26.526 | 106.5696 | 2.8720 | | |

| Component | Retention | Area | Internal | Units | Alarm |
|-------------------|-----------|-----------|-------------|-------|-------|
| H2 | 0.000 | 0.0000 | 0.0000 | ppm | |
| O2 | 1.860 | 191.9010 | 29705.5313 | ppm | |
| N2 | 2.740 | 2524.2124 | 522932.7837 | ppm | |
| Methane-TCD-M5A | 4.096 | 16.2226 | 0.0000 | % | |
| CO-TCD-MS5A | 6.130 | 21.9748 | 0.0000 | % | |
| CH4-TCD-HaYd | 9.670 | 20.4476 | 0.0000 | % | |
| CO2-TCD-HayD | 10.566 | 135.1007 | 0.0000 | % | |
| Water-TCD-HayD | 0.000 | 0.0000 | 0.0000 | % | |
| Methanol-TCD-HayD | 16.720 | 7.5377 | 0.0000 | % | |
| Ethanol-TCD-HayD | 21.333 | 18.2047 | 0.0000 | % | |