







ANALYZER NAME: AT-601

STREAM NAME: Ov2 Validation

INJECT TIME: 2021-10-13-13:19:42.0000

SCHEDULE: SCHD AT-601-2

ANALYSIS: ANLYS_524072-030

PGC5K - Report Data 77

CYCLE TIME: 240

Peak Data																			
Component Name	Concentration	RT Actual	RT Expected	Response Factor	Valid	Type	Total Area	Positive Area	Peak Found	Negative Area	SOI	EOI	SOB	EOB	Ampl SOI	Ampl EOI	Ampl SOB	Ampl EOB	Ampl Crest
N2_OV2ST1	46,38385	25,5	25	0,01730465	N/A	Measured	2680,791	2680,426	True	0,3651023	19	31	16	33	0,1239	-0,2659	0,0762	-0,1765	1812,3459
H2 MID_OV2ST1	9,979592	59,468	59	0,02173301	N/A	Measured	459,1905	459,1905	True	0	52,093	68,984	49	69,953	0,0345	0,0166	-0,1193	-0,3744	183,2282
ETHYLEN_OV2ST1	9,962199	81,257	81	0,01408493	N/A	Measured	707,2953	707,2948	True	0,0004649162	70,765	93,726	70,765	93,726	0,0000	0,0000	-0,0549	-0,0489	125,8897
ETHANE_OV2ST1	2,003719	106,007	105	0,01330336	N/A	Measured	150,6177	150,6174	True	0,0002503395	94,015	118,953	94,015	119,453	0,0000	0,0047	-0,0489	-0,0406	19,9246
PROPANE_OV2ST1	19,96582	112,937	112	0,06251743	N/A	Measured	319,4682	319,3641	True	0,1040936	107,875	120	106,906	120	-0,0275	0,0000	0,1001	0,2622	130,9204
PROPYLN_OV2ST1	10,16611	128,234	128	0,06412859	N/A	Measured	158,6024	158,527	True	0,07537603	122,953	139,953	121,984	139,953	-0,0239	0,0000	0,1609	0,0989	53,7097
NHEXANE_OV2ST1	0,2506621	148,867	148	0,01737953	N/A	Measured	14,42607	14,42283	True	0,003230572	137,757	160,234	137,757	159,953	0,0000	-0,0024	-0,3875	-0,3779	2,2053
1HEXENE_OV2ST1	0,2490827	170,609	170	0,01770965	N/A	Measured	14,0648	14,0648	True	0	160,234	185,335	160,234	185,335	0,0000	0,0000	-0,3791	-0,3815	1,9800
1BUTENE_OV2ST1	1,031543	187,796	187	0,0537754	N/A	Measured	19,18278	19,18244	True	0,000333786	181,218	198,976	176,046	200,757	-0,0024	0,0059	-0,0287	-0,0299	4,3737

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TCFs										
Type	Name	Description	Scope	Relative Offset	Startup Purge A Cycle Time M Sequence Offset	Absolute Offset	Hardware	Settings 1	Settings 2	Action
ANALYSIS	ANLYS_524072-030				5					
METHOD	MTD_524072-030		AT-601-2		240					
TCF	DigInCheck	Low Sample Flow	Method	130	0	130	Ov2 Sample Alarm			
TCF	StreamStep	Stream Step	Method	150	0	150				
SEQUENCE	Seq V1 sTCD Ref				0					
TCF	ValveOn	OV2 SV 7 BV on	Sequence	1	0	1	Ov2 SV7 Block Vent			
TCF	ValveOn	OV2 Valve 1 on	Sequence	4	0	4	Ov2 Valve 1			
TCF	ValveOff	OV2 Valve 1 off	Sequence	25	0	25	Ov2 Valve 1			
TCF	ValveOff	OV2 SV7 BV off	Sequence	7	0	7	Ov2 SV7 Block Vent			
TCF	AutoZero	Auto Zero	Sequence	15	0	15	Ov2 TCD 2			
TCF	Component	OV2 Hydrogen Mid	Sequence	59	0	59	Ov2 TCD 2			
SEQUENCE	Seq V2 mTCD meas1				0					
TCF	AutoZero	AutoZero	Sequence	10	0	10	Ov2 TCD 1- 1			
TCF	ValveOn	OV2 Valve 2 on	Sequence	5	0	5	Ov2 Valve 2			
TCF	ValveOff	OV2 Valve 2 off	Sequence	104	0	104	Ov2 Valve 2			
TCF	Component	OV2 1-HEXENE	Sequence	170	0	170	Ov2 TCD 1- 1			
TCF	Component	OV2 N-HEXANE	Sequence	148	0	148	Ov2 TCD 1- 1			
SEQUENCE	Seq V3 mTCD meas2				0					

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TCF	AutoZero	AutoZero	Sequence	10	0	10	Ov2 TCD 1-2			
TCF	ValveOn	OV2 Valve 3 on	Sequence	5	0	5	Ov2 Valve 3			
TCF	ValveOff	OV2 Valve 3 off	Sequence	40	0	40	Ov2 Valve 3			
TCF	Component	OV2 Nitrogen	Sequence	25	0	25	Ov2 TCD 1-2			
TCF	Component	OV2 Ethylene	Sequence	81	0	81	Ov2 TCD 1-2			
TCF	Component	OV2 Ethane	Sequence	105	0	105	Ov2 TCD 1-2			
SEQUENCE	Seq V4 sTCD Meas				20					
TCF	ValveOn	OV2 SV 7 BV on	Sequence	1	20	21	Ov2 SV7 Block Vent			
TCF	ValveOn	OV2 Valve 4 on	Sequence	5	20	25	Ov2 Valve 4			
TCF	ValveOff	OV2 Valve 4 off	Sequence	75	20	95	Ov2 Valve 4			
TCF	ValveOff	OV2 SV7 BV off	Sequence	7	20	27	Ov2 SV7 Block Vent			
TCF	Component	OV2 Propane	Sequence	92	20	112	Ov2 TCD 2			
TCF	Component	OV2 Propylene	Sequence	108	20	128	Ov2 TCD 2			
TCF	Component	OV2 1-Butene	Sequence	167	20	187	Ov2 TCD 2			

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Components													
Name	Description	Begin Crest	End Crest	Begin SOI	End SOI	Begin EOI	End EOI	Begin SOB	End SOB	Begin EOB	End EOB	Detector	Peak Type
H2 MID_OV2ST1	OV2 Hydrogen Mid	-2	2	-8	-6	8	10	-10	-8	10	12	Ov2 TCD 2	Positive
1HEXENE_O V2ST1	OV2 1- HEXENE	-4	5	-11	-8	14	20	-11	-9	14	20	Ov2 TCD 1-1	Positive
NHEXANE_O V2ST1	OV2 N- HEXANE	-4	5	-15	-10	9	13	-15	-10	9	12	Ov2 TCD 1-1	Positive
N2_OV2ST1	OV2 Nitrogen	-2	3	-6	-4	6	8	-9	-7	8	10	Ov2 TCD 1-2	Positive
ETHYLEN_OV 2ST1	OV2 Ethylene	-4	4	-12	-9	10	13	-13	-10	10	13	Ov2 TCD 1-2	Positive
ETHANE_OV 2ST1	OV2 Ethane	-4	4	-11	-9	12	14	-11	-9	12	15	Ov2 TCD 1-2	Positive
PROPANE_O V2ST1	OV2 Propane	-2	2	-7	-4	5	8	-8	-5	5	8	Ov2 TCD 2	Positive
PROPYLN_O V2ST1	OV2 Propylene	-2	2	-7	-5	10	12	-8	-6	10	12	Ov2 TCD 2	Positive
1BUTENE_O V2ST1	OV2 1-Butene	-2	2	-9	-5	8	12	-13	-9	10	14	Ov2 TCD 2	Positive

Report

NAME: VAL20211013131942.rpt
2021-10-13-13:19:42.0000 Ov2 Validation
Validation, Analysis: ANLYS_524072-030

Detector: Ov2 TCD 1-1

Name	RT	Concentration	Benchmark	%Deviation
NHEXANE_OV2ST1	148,867	0,2506621 %	0,247	1,482641
1HEXENE_OV2ST1	170,609	0,2490827 %	0,249	0,03323139

Detector: Ov2 TCD 1-2

Name	RT	Concentration	Benchmark	%Deviation
N2_OV2ST1	25,5	46,38385 %	46,387	-0,006800945
ETHYLEN_OV2ST1	81,257	9,962199 %	9,962	0,002000782
ETHANE_OV2ST1	106,007	2,003719 %	2,005	-0,0639152

Detector: Ov2 TCD 2

Name	RT	Concentration	Benchmark	%Deviation
H2 MID_OV2ST1	59,468	9,979592 %	9,973	0,06610599
PROPANE_OV2ST1	112,937	19,96582 %	19,97	-0,02091684
PROPYLN_OV2ST1	128,234	10,16611 %	10,17	-0,03821261
1BUTENE_OV2ST1	187,796	1,031543 %	1,032	-0,04422988