







ANALYZER NAME: AT-601

STREAM NAME: Ov1 Validation

INJECT TIME: 2021-10-12-13:07:16.0000

SCHEDULE: SCHD AT-601-1

ANALYSIS: ANLYS_524072-020

PGC5K - Report Data 75

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_OV1ST1	46,39612	25,414	25	0,01722119	N/A	Measured	2694,415	2694,13	True	0,2851009	19	31	19	32	0,0000	-0,1538	0,1370	-0,2587	1800,0137
H2 MID_OV1ST1	9,976424	59,203	59	0,02138996	N/A	Measured	466,4088	466,407	True	0,001871586	49,226	69,304	49,226	69,304	0,0000	0,0000	-0,0406	-0,4352	187,7951
ETHYLEN_OV1ST1	9,96452	83,226	82	0,0139158	N/A	Measured	716,0586	716,0581	True	0,000500679	68,375	95,703	68,375	95,703	0,0000	0,0000	-0,0334	-0,0322	121,0653
ETHANE_OV1ST1	2,005371	109,218	108	0,01338296	N/A	Measured	149,845	149,845	True	0	95,703	124,289	95,703	129,226	0,0000	0,0154	-0,0322	-0,0537	18,9447
PROPANE_OV1ST1	19,98721	115,085	114	0,06491251	N/A	Measured	307,9729	307,9099	True	0,06296635	109,937	123,718	107,773	123,718	-0,0251	0,0000	0,0393	0,0524	126,1663
PROPYLN_OV1ST1	10,18099	133,507	133	0,06676957	N/A	Measured	152,5066	152,4794	True	0,02720356	127,843	144	126,75	144,968	-0,0084	0,0190	0,0119	0,0345	49,9165
NHEXANE_OV1ST1	0,248215	159,257	156	0,01624777	N/A	Measured	15,29162	15,27686	True	0,01475811	146,617	173	142,335	173,453	-0,0036	0,0011	-0,0155	-0,0167	2,2566
1HEXENE_OV1ST1	0,2475472	188,968	186	0,01668078	N/A	Measured	14,84028	14,84027	True	1,192093E-05	173,453	208,085	173,453	207,984	0,0000	-0,0012	-0,0167	-0,0275	1,9288
1BUTENE_OV1ST1	1,036183	202,273	202	0,0566154	N/A	Measured	18,30214	18,30214	True	0	189	216,562	188,773	216,562	0,0000	0,0000	-0,0501	-0,0465	3,8528

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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_524072-020				5					
METHOD	MTD_524072-20		AT-601-1		240					
TCF	StreamStep	Stream Step	Method	150	0	150				
TCF	DigInCheck	Low Sample Flow	Method	130	0	130	Ov1 Sample Alarm			
SEQUENCE	Seq V1 sTCD Ref				0					
TCF	ValveOn	OV1 SV 7 BV on	Sequence	1	0	1	Ov1 SV7 Block Vent			
TCF	ValveOn	OV1 Valve 1 on	Sequence	4	0	4	Ov1 Valve 1			
TCF	ValveOff	OV1 Valve 1 off	Sequence	25	0	25	Ov1 Valve 1			
TCF	ValveOff	OV1 SV7 BV off	Sequence	7	0	7	Ov1 SV7 Block Vent			
TCF	AutoZero	Auto Zero	Sequence	15	0	15	Ov1 TCD 2			
TCF	Component	OV1 Hydrogen Mid	Sequence	59	0	59	Ov1 TCD 2			
SEQUENCE	Seq V2 mTCD meas1				0					
TCF	AutoZero	AutoZero	Sequence	10	0	10	Ov1 TCD 1- 1			
TCF	ValveOn	OV1 Valve 2 on	Sequence	5	0	5	Ov1 Valve 2			
TCF	ValveOff	OV1 Valve 2 off	Sequence	105	0	105	Ov1 Valve 2			
TCF	Component	OV1 1-HEXENE	Sequence	186	0	186	Ov1 TCD 1- 1			
TCF	Component	OV1 N-HEXANE	Sequence	156	0	156	Ov1 TCD 1- 1			
SEQUENCE	Seq V3 mTCD meas2				0					

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TCF	AutoZero	AutoZero	Sequence	10	0	10	Ov1 TCD 1-2			
TCF	ValveOn	OV1 Valve 3 on	Sequence	5	0	5	Ov1 Valve 3			
TCF	ValveOff	OV1 Valve 3 off	Sequence	40	0	40	Ov1 Valve 3			
TCF	Component	OV1 Nitrogen	Sequence	25	0	25	Ov1 TCD 1-2			
TCF	Component	OV1 Ethylene	Sequence	82	0	82	Ov1 TCD 1-2			
TCF	Component	OV1 Ethane	Sequence	108	0	108	Ov1 TCD 1-2			
SEQUENCE	Seq V4 sTCD Meas				20					
TCF	ValveOn	OV1 SV 7 BV on	Sequence	1	20	21	Ov1 SV7 Block Vent			
TCF	ValveOn	OV1 Valve 4 on	Sequence	5	20	25	Ov1 Valve 4			
TCF	ValveOff	OV1 Valve 4 off	Sequence	75	20	95	Ov1 Valve 4			
TCF	ValveOff	OV1 SV7 BV off	Sequence	7	20	27	Ov1 SV7 Block Vent			
TCF	Component	OV1 Propane	Sequence	94	20	114	Ov1 TCD 2			
TCF	Component	OV1 Propylene	Sequence	113	20	133	Ov1 TCD 2			
TCF	Component	OV1 1-Butene	Sequence	182	20	202	Ov1 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_OV1ST1	OV1 Hydrogen Mid	-3	4	-11	-7	9	13	-11	-8	9	11	Ov1 TCD 2	Positive
1HEXENE_O V1ST1	OV1 1- HEXENE	-7	10	-17	-11	17	23	-17	-11	17	22	Ov1 TCD 1-1	Positive
NHEXANE_O V1ST1	OV1 N- HEXANE	-8	10	-15	-9	11	17	-14	-10	11	18	Ov1 TCD 1-1	Positive
N2_OV1ST1	OV1 Nitrogen	-2	2	-6	-4	6	9	-6	-4	7	9	Ov1 TCD 1-2	Positive
ETHYLEN_OV 1ST1	OV1 Ethylene	-3	3	-15	-11	10	16	-14	-11	11	15	Ov1 TCD 1-2	Positive
ETHANE_OV 1ST1	OV1 Ethane	-3	3	-14	-10	13	17	-14	-10	16	22	Ov1 TCD 1-2	Positive
PROPANE_O V1ST1	OV1 Propane	-2	2	-8	-4	6	10	-9	-6	6	10	Ov1 TCD 2	Positive
PROPYLN_O V1ST1	OV1 Propylene	-3	3	-8	-5	7	11	-9	-6	8	12	Ov1 TCD 2	Positive
1BUTENE_O V1ST1	OV1 1-Butene	-4	4	-13	-9	11	17	-14	-11	14	18	Ov1 TCD 2	Positive

Report

NAME: VAL20211012130716.rpt
2021-10-12-13:07:16.0000 Ov1 Validation
Validation, Analysis: ANLYS_524072-020

Detector: Ov1 TCD 1-1

Name	RT	Concentration	Benchmark	%Deviation
NHEXANE_OV1ST1	159,257	0,248215 %	0,247	0,4918952
1HEXENE_OV1ST1	188,968	0,2475472 %	0,249	-0,5834553

Detector: Ov1 TCD 1-2

Name	RT	Concentration	Benchmark	%Deviation
N2_OV1ST1	25,414	46,39612 %	46,387	0,01965449
ETHYLEN_OV1ST1	83,226	9,96452 %	9,962	0,02529219
ETHANE_OV1ST1	109,218	2,005371 %	2,005	0,01847893

Detector: Ov1 TCD 2

Name	RT	Concentration	Benchmark	%Deviation
H2 MID_OV1ST1	59,203	9,976424 %	9,978	-0,01578944
PROPANE_OV1ST1	115,085	19,98721 %	19,97	0,08616021
PROPYLN_OV1ST1	133,507	10,18099 %	10,17	0,1080174
1BUTENE_OV1ST1	202,273	1,036183 %	1,032	0,4053463