

## Background Ion Test

Normalize Current to  $10^{-16}$  amps and Gain to  $10^6$   
5975 Background Input Current and Gain Test

Selected Ion Currents and Detector Gain at EMV = 2047.06

Selected Ion,	Mass ,	Current ,	Gain ,	Abund ,	Corrected
Acetone	15.0	1.07	1.289	83	55
H2O	17.9	1.56	0.790	78	50
N2-CO	27.6	1.00	1.087	73	45
MEOH	31.2	1.16	1.136	81	53
O2	31.8	1.35	0.927	78	50
HC-Acet	42.7	1.16	0.999	75	47
CO2	44.2	1.21	0.936	74	46
IPA	45.1	1.16	0.962	74	46
Freon	50.7	1.18	0.936	74	46
HC	54.8	1.41	0.873	78	50
CCH	55.9	1.31	0.763	70	42
HC	57.3	0.90	1.081	69	41
Acetone	58.3	1.03	1.048	73	45
IPA	58.7	1.13	1.045	76	48
Zn	63.6	0.88	1.230	73	45
Zn	66.0	0.89	1.223	73	45
HC	67.1	0.88	0.920	64	36
HC-Zn	68.0	1.02	0.926	68	40
HC-FC	69.0	0.72	1.169	65	37
Silcone	73.2	0.95	0.972	68	40
HC	76.7	0.98	0.902	66	38
DCM-CCH	84.0	1.22	0.844	71	43
Aromat	91.2	0.92	1.263	75	47
DP Oil	94.0	0.78	1.215	69	41
Freon	101.2	1.41	0.699	70	42
Aromat	104.9	0.67	1.078	61	33
?	115.0	1.07	0.827	66	38
?	117.0	0.96	0.754	61	33
Aromat	118.8	1.09	0.710	63	35
FC	130.8	0.86	1.041	67	39
HC	141.0	0.78	1.035	64	36
Phthal	148.7	0.84	0.963	64	36
Plszr	158.7	0.76	1.247	69	41
DP Oil	167.9	0.53	1.432	62	34
DP Oil	170.1	0.67	1.309	66	38
DP Oil	186.0	0.54	1.244	59	31
Silcone	206.8	0.73	0.803	57	29
PFTBA	219.0	0.51	1.091	56	28
DP Oil	262.4	0.53	0.887	53	25
Plszr	276.7	0.55	1.079	57	29
DP Oil	278.2	0.74	1.100	64	36
Silcone	280.6	0.69	1.071	62	34
Viton	335.9	0.50	0.903	52	24
DP Oil	354.1	0.57	0.796	52	24
Neutral	422.0	0.46	0.939	51	23
DP Oil	446.3	0.35	1.313	53	25
Neutral	505.0	0.53	0.912	53	25
Unkwn 1	375.8	11.35	1.659	655	627
Unkwn 2	384.2	35.43	1.836	2170	2142
Unkwn 3	385.4	43.17	1.894	2718	2690
Unkwn 4	386.0	41.27	1.895	2601	2573
Unkwn 5	386.7	37.22	1.740	2161	2133
Unkwn 6	390.8	13.19	1.441	661	633
Unkwn 7	391.8	11.61	1.547	626	598
Unkwn 8	393.0	11.64	1.418	578	550
Unkwn 9	393.5	11.67	1.468	599	571
Unkwn10	396.0	9.15	1.391	455	427

## Specifications

H2O < 20,000      N2,CO < 10,000      O2 and CO2 < 3,000      All others < 300

Background Current-Gain Test was created on Wed Aug 16 08:47:10 2023

Background Current-Gain Test was saved in D:\msdchem\diag\CE\_Background.txt