

RELEASES TO AIR

QUARTERLY RETURN

MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS (a),(b),(c)

OPERATING MODE: VDU off gas in combination with RFG

Operator: Valero Energy Limited

Form: LCP Concentrations

Location: Pembroke Refinery, Pembroke, SA71 5SJ

Permit/Variation Number: YP3930EX

Year 2020	LCP 375 (A7, A8, A9 & A10)													
	NO <sub>x</sub> (mg/Nm <sup>3</sup> )				SO <sub>2</sub> (mg/Nm <sup>3</sup> )				Dust (mg/Nm <sup>3</sup> )				CO (mg/Nm <sup>3</sup> )	
Month	Monthly Mean	Max Daily Mean	Daily ELV	Days > ELV	Monthly Mean	Max Daily Mean	Daily ELV	Days > ELV	Monthly Mean	Max Daily Mean	Daily ELV	Days > ELV	Monthly Mean	Monthly ELV
January	103	120	330	0	55	94	1100	0	3	3.1	5.5	0	5	100
February	103	119	330	0	43	59	1100	0	3	3.5	5.5	0	5	100
March	119	143	330	0	46	82	1100	0	3	4.3	5.5	0	5	100
April	115	123	330	0	59	85	1100	0	3	3.9	5.5	0	6	100
May	81	109	330	0	69	98	1100	0	3	3.2	5.5	0	5	100
June	83	112	330	0	66	253	1100	0	3	3.4	5.5	0	5	100
July	114	148	330	0	43	62	1100	0	3	4.3	5.5	0	5	100
August	105	135	330	0	53	71	1100	0	3	3.6	5.5	0	5	100
September	112	129	330	0	47	76	1100	0	3	4.0	5.5	0	5	100
October														
November														
December														
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	132 (353)	131			80 (353)	79			4 (353)	4.0			6 (353)	
Annual Percentile ELV (h)														

Signed : RDLivock

Name : Richard Livock

On behalf of the Operator Valero Energy Ltd

Date : 27/10/2020