

**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 2022	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	194	213	330	0	8	24	1100	0	4	5.4	5.5	0	1	100
February	186	203	330	0	23	66	-	-	3	4	5.5	0	0	100
March	185	202	330	0	19	29	-	-	4	4	5.5	0	0	100
April	175	202	330	0	31	155	1100	0	4	4.5	5.5	0	0	100
May	162	174	330	0	21	28	1100	0	3	3.9	5.5	0	0	100
June	165	177	330	0	22	29	1100	0	3	4.1	5.5	0	1	100
July	161	200	330	0	29	53	1100	0	3	4.6	5.5	0	1	100
August	167	190	330	0	53	64	1100	0	4	4.1	5.5	0	0	100
September	158	183	330	0	50	103	1100	0	4	4.8	5.5	0	1	100
October														
November														
December														
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	202 (342)	201			59 (342)	58			5 (342)	4.6			2 (342)	
Annual Percentile ELV (h)														

**Note 1:** LCP SO<sub>2</sub> emission limits suspended from 26th January to 7th April as per Job Aid PP-HES-JBA-0004

**Note 2:** LCP SO<sub>2</sub> emission limits suspended from 13th June to 26th June as per Job Aid PP-HES-JBA-0004

**Note 3:** LCP SO<sub>2</sub> emission limits suspended from 23rd September to 27th September as per Job Aid PP-HES-JBA-0004

Signed : SLGregory

Name : Sabrina Gregory

On behalf of the Operator Valero Energy Ltd

Date : 18/10/2022