

**RELEASES TO AIR**

**QUARTERLY RETURN**

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

**OPERATING MODE: RFG**

**Operator: Valero Energy Limited**

**Form: LCP Concentrations**

**Location: Pembroke Refinery, Pembroke, SA71 5SJ**

**Permit/Variation Number: YP3930EX**

Year 2021	LCP 373 (A3 & A4)													
	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	220	262	330	0	8	24.1	38.5	0	0	0.8	5.5	0	29	100
February	113	203	-	-	49	72.7	-	-	1	3.4	-	-	596	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	194	206	-	-	6	7.5	-	-	1	1.9	-	-	3	-
May	210	256	-	-	9	86.3	-	-	1	5.1	-	-	2	-
June	215	239	330	0	7	10.3	38.5	0	1	1.3	5.5	0	6	100
July	221	239	330	0	8	9.9	38.5	0	1	2.4	5.5	0	5	100
August	223	256	330	0	8	10.2	38.5	0	1	2.9	5.5	0	12	100
September	234	269	330	0	10	29.2	38.5	0	2	3.9	5.5	0	15	100
October														
November														
December														
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	262 (291)	259			16 (291)	24.1			3 (291)	3.3			105 (291)	
Annual Percentile ELV (h)														

**Note 1:** LCP emission limits suspended from 21st January to 1st June as per Job Aid PP-HES-JBA-0004

**Note 2:** LCP 373 shutdown from 10th February to 1st April

Signed : RD Livock

Name : Richard Livock

On behalf of the Operator Valero Energy Ltd

Date : 20/10/2021