

**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 371 (A1 & A2)													
	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	191	227	330	0	6	9.9	38.5	0	1	1.9	5.5	0	2	100
February	148	163	-	-	9	11.3	-	-	1	2.6	-	-	7	-
March	156	162	-	-	6	8	-	-	1	3.8	-	-	2	-
April	183	204	-	-	9	12.1	-	-	1	1.1	-	-	3	-
May	191	241	-	-	12	87.7	-	-	1	1.8	-	-	1	-
June	181	217	330	0	10	14.7	38.5	0	0	0.8	5.5	0	1	100
July	180	199	330	0	11	14.3	38.5	0	0	1.8	5.5	0	1	100
August	173	188	330	0	11	14.2	38.5	0	0	0.6	5.5	0	2	100
September	172	188	330	0	4	5.7	38.5	0	0	0.7	5.5	0	2	100
October	192	207	330	0	5	6.2	38.5	0	0	1.0	5.5	0	2	100
November	199	212	330	0	4	5.7	38.5	0	0	1.0	5.5	0	2	100
December	199	212	330	0	3	4.2	38.5	0	1	1.5	5.5	0	2	100
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	209 (439)	207			12 (439)	12.1			1 (439)	1.3			6 (439)	
Annual Percentile ELV (h)														

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

Signed : RD Livock

Name : Richard Livock

On behalf of the Operator Valero Energy Ltd

Date : 18/01/2022