

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 2023	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	152	168	330	0	40	66	1100	0	4	4.7	5.5	0	2	100
February	166	204	330	0	26	40	1100	0	4	4.6	5.5	0	2	100
March	170	200	330	0	38	54	1100	0	3	4.1	5.5	0	2	100
April	145	168	330	0	31	287	1100	0	3	3.3	5.5	0	2	100
May	164	193	330	0	21	34	1100	0	2	2.9	5.5	0	3	100
June	172	200	330	0	11	12	1100	0	2	2.5	5.5	0	5	100
July														
August														
September														
October														
November														
December														
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	192 (238)	186			46 (238)	42			4 (238)	4.1			5 (238)	
Annual Percentile ELV (h)														

Note 1: LCP SO<sub>2</sub> emission limits suspended from 1st to 5th April as per Job Aid PP-HES-JBA-0004

Signed : Sabrina Gregory

Name : Sabrina Gregory

On behalf of the Operator Valero Energy Ltd

Date : 19/07/2023