

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 2021	LCP 375 (A7, A8, A9 & A10)													
	NO _x (mg/Nm ³)				SO ₂ (mg/Nm ³)				Dust (mg/Nm ³)				CO (mg/Nm ³)	
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	102	131	330	0	23	38	1100	0	3	3.6	5.5	0	5	100
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	96	138	-	-	87	134	-	-	1	2.2	-	-	4	-
May	96	127	-	-	60	117	-	-	2	3.5	-	-	4	-
June	93	110	330	0	42	54	1100	0	2	2.6	5.5	0	5	100
July	111	125	330	0	32	54	1100	0	2	2.9	5.5	0	6	100
August	119	136	330	0	41	55	1100	0	2	2.8	5.5	0	4	100
September	126	149	330	0	30	85	1100	0	2	3.9	5.5	0	4	100
October	158	187	330	0	17	29	1100	0	4	4.6	5.5	0	1	100
November	169	186	330	0	14	24	1100	0	4	5.3	5.5	0	1	100
December	169	185	330	0	10	16	1100	0	4	4.5	5.5	0	1	100
Monthly ELV Daily ELV (f)														
Annual 95th Percentile (g)	179 (361)	178			106 (361)	110			5 (361)	4.5			7 (361)	
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 375 shutdown from 28th January to 3rd April

Signed : RD Livock

Name : Richard Livock

On behalf of the Operator Valero Energy Ltd

Date : 18/01/2022