

FORM WATER 1a: Emissions to controlled water - Daily samples.

Permit Number : EPR/YP3930EX
 Operator : Valero Energy Ltd
 Installation Location : Pembroke Refinery, Pembroke, SA71 5SJ
 Reporting Period : Q4 2022

Parameters: pH, Oil, Ammonia, Phenols, COD

Release Point	W1 discharge to Milford Haven Waterway			
Parameter	Daily ELV (mg/l)	3-month average of daily samples (mg/l)	Maximum daily result (mg/l)	Minimum daily result (mg/l)
pH	6 - 9	8	8	7
Oil	17	1	4	
Ammoniacal Nitrogen	20	2	2	
COD	270	54	111	
Phenols	3	0.3	0.9	

Parameters: Temperature

Release Point	W1 discharge from effluent treatment plant		
Parameter	Daily average ELV (°C)	3-month average of daily samples (°C)	Maximum hourly average (°C)
Temperature	35	16	23

Parameters: Flow

Release Point	W1 discharge from effluent treatment plant			
Parameter	Weekly average of daily flows ELV (m ³)	3-month average of daily samples (m ³)	Maximum daily flow (m ³)	Maximum weekly average flow (m ³)
Flow	25,000	13,271	24,702	19,121
Flow from Tank(s)*	-	0	0	-

* For period(s) of discharge only

Signed : *SLGregory*

 Name : Sabrina Gregory

 On behalf of the Operator Valero Energy Ltd
 Date : 06/01/2023
