

Report of Analysis

Client:	PSEG	Date Collected:	08/25/25
Project:	Cherry Hill Sub OCB Replacement	Date Received:	08/25/25
Client Sample ID:	OILY-WATER	SDG No.:	Q2955
Lab Sample ID:	Q2955-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/28/25 09:11	08/29/25 13:15	PB169440

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	335		1	24.0	60.6	ug/l	FE055594.D
Aliphatic C9-C28	Aliphatic C9-C28	15900		20	859	2420	ug/l	FE055623.D
Total AliphaticEPH	Total AliphaticEPH	16200			883	2480	ug/l	
Total EPH	Total EPH	16200			883	2480	ug/l	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055594.D	1	08/28/25	08/29/25	PB169440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16200	E	43.0	121	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	335		24.0	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2955-02	Acq On:	29 Aug 2025 13:15
Client Sample ID:	OILY-WATER	Operator:	YP\AJ
Data file:	FE055594.D	Misc:	
Instrument:	FID_E	ALS Vial:	45
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	5800095	45.171	300	ug/ml
Aliphatic C12-C16	6.948	10.399	150961507	1120	200	ug/ml
Aliphatic C16-C21	10.400	13.777	744918425	5170	300	ug/ml
Aliphatic C21-C28	13.778	17.448	245262441	1710	400	ug/ml
Aliphatic C28-C40	17.449	22.462	22877548	166.117	600	ug/ml
Aliphatic EPH	3.313	22.462	1169820016	8210		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4711164	28.68		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3569255	28.54		ug/ml
Aliphatic C9-C28	3.313	17.448	1146942468	8040	1200	ug/ml