

Report of Analysis

Client:	PSEG	Date Collected:	08/04/25
Project:	Lakeside Sub Demo	Date Received:	08/04/25
Client Sample ID:	LIQUID-DRUM	SDG No.:	Q2759
Lab Sample ID:	Q2759-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/07/25 08:45	08/08/25 13:06	PB169161

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	3480		1	82.8	300	ug/l	FC069618.D
Aliphatic C12-C16	Aliphatic C12-C16	76400		100	13500	20000	ug/l	FC069629.D
Aliphatic C16-C21	Aliphatic C16-C21	420000		100	8340	30000	ug/l	FC069629.D
Aliphatic C21-C28	Aliphatic C21-C28	160000		20	2500	8000	ug/l	FC069628.D
Aliphatic C28-C40	Aliphatic C28-C40	59500		20	4760	12000	ug/l	FC069628.D
Aromatic C10-C12	Aromatic C10-C12	7510		5	103	1000	ug/l	FD049599.D
Aromatic C12-C16	Aromatic C12-C16	20900		5	213	1500	ug/l	FD049599.D
Aromatic C16-C21	Aromatic C16-C21	186000		50	4140	25000	ug/l	FD049600.D
Aromatic C21-C36	Aromatic C21-C36	483000		50	11900	40000	ug/l	FD049600.D
Total AliphaticEPH	Total AliphaticEPH	719000			29200	70300	ug/l	
Total AromaticEPH	Total AromaticEPH	697000			16400	67500	ug/l	
Total EPH	Total EPH	1420000			45500	138000	ug/l	

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
FC069618.D	1	08/07/25	08/08/25	PB169161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	3480		82.8	300	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	72100	E	135	200	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	381000	E	83.4	300	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	135000	E	125	400	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	52600	E	238	600	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2759-04	Acq On:	08 Aug 2025 13:06
Client Sample ID:	LIQUID-DRUM	Operator:	YP/AJ
Data file:	FC069618.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	25160809	173.907	300	ug/ml
Aliphatic C12-C16	6.597	10.000	516757478	3600	200	ug/ml
Aliphatic C16-C21	10.001	13.369	2543157881	19000	300	ug/ml
Aliphatic C21-C28	13.370	17.034	800094458	6760	400	ug/ml
Aliphatic C28-C40	17.035	22.011	250721675	2630	600	ug/ml
Aliphatic EPH	3.298	22.011	4135892301	32200		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.298	17.034	3885170626	29600	1200	ug/ml