

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Lawrenceville HQ	Date Received:	08/13/25
Client Sample ID:	LAW-25-113-121	SDG No.:	Q2864
Lab Sample ID:	Q2864-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 11:20	08/18/25 11:47	PB169262

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	28.1	J	1	8.28	30.0	ug/l	FC069690.D
Aliphatic C12-C16	Aliphatic C12-C16	52.5		1	13.5	20.0	ug/l	FC069690.D
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	1	8.34	30.0	ug/l	FC069690.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FC069690.D
Aliphatic C28-C40	Aliphatic C28-C40	168		1	23.8	60.0	ug/l	FC069690.D
Aromatic C10-C12	Aromatic C10-C12	10.0	J	1	2.07	20.0	ug/l	FD049640.D
Aromatic C12-C16	Aromatic C12-C16	28.5	J	1	4.26	30.0	ug/l	FD049640.D
Aromatic C16-C21	Aromatic C16-C21	59.5		1	8.27	50.0	ug/l	FD049640.D
Aromatic C21-C36	Aromatic C21-C36	32.3	J	1	23.8	80.0	ug/l	FD049640.D
Total AliphaticEPH	Total AliphaticEPH	249			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	130	J		38.4	180	ug/l	
Total EPH	Total EPH	379			105	360	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
FC069690.D	1	08/14/25	08/18/25	PB169262

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Aliphatic C9-C12	Aliphatic C9-C12	28.1	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	52.5		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	168		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2864-03	Acq On:	18 Aug 2025 11:47
Client Sample ID:	LAW-25-113-121	Operator:	YP/AJ
Data file:	FC069690.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.591	2029893	14.03	300	ug/ml
Aliphatic C12-C16	6.592	9.994	3765616	26.253	200	ug/ml
Aliphatic C16-C21	9.995	13.363	471051	3.527	300	ug/ml
Aliphatic C21-C28	13.364	17.028	457808	3.87	400	ug/ml
Aliphatic C28-C40	17.029	22.000	8023490	84.178	600	ug/ml
Aliphatic EPH	3.296	22.000	14747858	131.858		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.096	13.096	2993584	27.46		ug/ml
Aliphatic C9-C28	3.296	17.028	6724368	47.68	1200	ug/ml