

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Lawrenceville HQ	Date Received:	08/13/25
Client Sample ID:	LAW-25-122-126	SDG No.:	Q2864
Lab Sample ID:	Q2864-01	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	08/15/25 18:16	PB169262

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	8.28	30.0	ug/l	FC069679.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	J	1	13.5	20.0	ug/l	FC069679.D
Aliphatic C16-C21	Aliphatic C16-C21	9.72	J	1	8.34	30.0	ug/l	FC069679.D
Aliphatic C21-C28	Aliphatic C21-C28	42.3		1	12.5	40.0	ug/l	FC069679.D
Aliphatic C28-C40	Aliphatic C28-C40	56.4	J	1	23.8	60.0	ug/l	FC069679.D
Aromatic C10-C12	Aromatic C10-C12	7.84	J	1	2.07	20.0	ug/l	FD049633.D
Aromatic C12-C16	Aromatic C12-C16	12.0	J	1	4.26	30.0	ug/l	FD049633.D
Aromatic C16-C21	Aromatic C16-C21	51.0		1	8.27	50.0	ug/l	FD049633.D
Aromatic C21-C36	Aromatic C21-C36	35.6	J	1	23.8	80.0	ug/l	FD049633.D
Total AliphaticEPH	Total AliphaticEPH	122	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	106	J		38.4	180	ug/l	
Total EPH	Total EPH	228	J		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
FC069679.D	1	08/14/25	08/15/25	PB169262

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Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	8.28	30.0	ug/l
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Aliphatic C21-C28	Aliphatic C21-C28	42.3		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.4	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.8		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2864-01	Acq On:	15 Aug 2025 18:16
Client Sample ID:	LAW-25-122-126	Operator:	YP/AJ
Data file:	FC069679.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	3.295	6.590	564300	3.9	300	ug/ml
Aliphatic C12-C16	6.591	9.994	969826	6.761	200	ug/ml
Aliphatic C16-C21	9.995	13.363	649085	4.86	300	ug/ml
Aliphatic C21-C28	13.364	17.027	2499537	21.127	400	ug/ml
Aliphatic C28-C40	17.028	21.999	2689378	28.216	600	ug/ml
Aliphatic EPH	3.295	21.999	7372126	64.865		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.096	13.096	2487922	22.82		ug/ml
Aliphatic C9-C28	3.295	17.027	4682748	36.648	1200	ug/ml