

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Lawrenceville HQ	Date Received:	06/10/25
Client Sample ID:	LAW-25-0084	SDG No.:	Q2286
Lab Sample ID:	Q2286-03	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

Prep Date :	Date Analyzed :	Prep Batch ID
06/12/25 08:45	06/13/25 1:24	PB168441

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	60.4		1	8.36	30.3	ug/l	FC069198.D
Aliphatic C12-C16	Aliphatic C12-C16	14300		100	1360	2020	ug/l	FC069205.D
Aliphatic C16-C21	Aliphatic C16-C21	129000		500	4210	15200	ug/l	FC069206.D
Aliphatic C21-C28	Aliphatic C21-C28	27300		100	1260	4040	ug/l	FC069205.D
Aliphatic C28-C40	Aliphatic C28-C40	3440		10	240	606	ug/l	FC069204.D
Aromatic C10-C12	Aromatic C10-C12	28.2		1	2.09	20.2	ug/l	FD049470.D
Aromatic C12-C16	Aromatic C12-C16	1740		20	86.1	606	ug/l	FD049486.D
Aromatic C16-C21	Aromatic C16-C21	49900		100	835	5050	ug/l	FD049487.D
Aromatic C21-C36	Aromatic C21-C36	16400		20	480	1620	ug/l	FD049486.D
Total AliphaticEPH	Total AliphaticEPH	174000			7090	21800	ug/l	
Total AromaticEPH	Total AromaticEPH	68100			1400	7290	ug/l	
Total EPH	Total EPH	243000			8490	29100	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

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Lawrenceville HQ	Date Received:	06/10/25
Client Sample ID:	LAW-25-0084	SDG No.:	Q2286
Lab Sample ID:	Q2286-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069198.D	1	06/12/25	06/13/25	PB168441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	60.4		8.36	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13500	E	13.6	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	109000	E	8.42	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	28300	E	12.6	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	3620	E	24.0	60.6	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:	Q2286-03	Acq On:	13 Jun 2025 01:24
Client Sample ID:	LAW-25-0084	Operator:	YP/AJ
Data file:	FC069198.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.606	3158449	29.876	300	ug/ml
Aliphatic C12-C16	6.607	10.010	682858825	6700	200	ug/ml
Aliphatic C16-C21	10.011	13.380	5269312847	53800	300	ug/ml
Aliphatic C21-C28	13.381	17.048	1315674452	14000	400	ug/ml
Aliphatic C28-C40	17.049	22.036	169442972	1790	600	ug/ml
Aliphatic EPH	3.305	22.036	7440447545	76400		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	3.305	17.048	7271004573	74600	1200	ug/ml