

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Lawrenceville HQ	Date Received:	05/16/25
Client Sample ID:	LAW-25-0074	SDG No.:	Q2068
Lab Sample ID:	Q2068-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
05/20/25 08:38	05/20/25 16:54	PB168080

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	494		1	8.62	31.2	ug/l	FC068933.D
Aliphatic C12-C16	Aliphatic C12-C16	77200		500	7030	10400	ug/l	FC068956.D
Aliphatic C16-C21	Aliphatic C16-C21	785000		2000	17400	62500	ug/l	FC068957.D
Aliphatic C21-C28	Aliphatic C21-C28	291000		500	6510	20800	ug/l	FC068956.D
Aliphatic C28-C40	Aliphatic C28-C40	11400		20	495	1250	ug/l	FC068955.D
Aromatic C10-C12	Aromatic C10-C12	172		1	2.16	20.8	ug/l	FD049353.D
Aromatic C12-C16	Aromatic C12-C16	5910		20	88.8	625	ug/l	FD049367.D
Aromatic C16-C21	Aromatic C16-C21	201000		500	4310	26000	ug/l	FD049369.D
Aromatic C21-C36	Aromatic C21-C36	71100		100	2480	8330	ug/l	FD049368.D
Total AliphaticEPH	Total AliphaticEPH	1170000			31400	95000	ug/l	
Total AromaticEPH	Total AromaticEPH	278000			6880	35000	ug/l	
Total EPH	Total EPH	1440000			38300	130000	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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Sample Wt/Vol:	960 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068933.D	1	05/20/25	05/20/25	PB168080

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	494		8.62	31.2	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	59200	E	14.1	20.8	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	638000	E	8.69	31.2	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	266000	E	13.0	41.7	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	10900	E	24.8	62.5	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:	Q2068-03	Acq On:	20 May 2025 16:54
Client Sample ID:	LAW-25-0074	Operator:	YP/AJ
Data file:	FC068933.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.640	23526019	237.317	300	ug/ml
Aliphatic C12-C16	6.641	10.040	2585640707	28400	200	ug/ml
Aliphatic C16-C21	10.041	13.408	26274020319	306000	300	ug/ml
Aliphatic C21-C28	13.409	17.070	10589197297	127000	400	ug/ml
Aliphatic C28-C40	17.071	22.065	443273390	5240	600	ug/ml
Aliphatic EPH	3.341	22.065	39915657732	468000		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	3.341	17.070	39472384342	462000	1200	ug/ml