

Report of Analysis

Client:	PSEG	Date Collected:	05/21/25
Project:	Lawrenceville HQ	Date Received:	05/21/25
Client Sample ID:	LAW-25-0078	SDG No.:	Q2102
Lab Sample ID:	Q2102-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
05/22/25 09:13	05/22/25 18:58	PB168132

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	1	8.45	30.6	ug/l	FC068985.D
Aliphatic C12-C16	Aliphatic C12-C16	1080		10	137	204	ug/l	FC068991.D
Aliphatic C16-C21	Aliphatic C16-C21	12300		50	425	1530	ug/l	FC068992.D
Aliphatic C21-C28	Aliphatic C21-C28	3270		10	127	408	ug/l	FC068991.D
Aliphatic C28-C40	Aliphatic C28-C40	2180		10	242	612	ug/l	FC068991.D
Aromatic C10-C12	Aromatic C10-C12	35.8		1	2.11	20.4	ug/l	FD049380.D
Aromatic C12-C16	Aromatic C12-C16	93.8		1	4.35	30.6	ug/l	FD049380.D
Aromatic C16-C21	Aromatic C16-C21	2850		5	42.2	255	ug/l	FD049389.D
Aromatic C21-C36	Aromatic C21-C36	3700		5	121	408	ug/l	FD049389.D
Total AliphaticEPH	Total AliphaticEPH	18800			939	2780	ug/l	
Total AromaticEPH	Total AromaticEPH	6680			170	714	ug/l	
Total EPH	Total EPH	25500			1110	3500	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:	980 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
FC068985.D	1	05/22/25	05/22/25	PB168132

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	1040	E	13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	9850	E	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	3520	E	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	2330	E	24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.4		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2102-03	Acq On:	22 May 2025 18:58
Client Sample ID:	LAW-25-0078	Operator:	YP/AJ
Data file:	FC068985.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.640	308683	3.114	300	ug/ml
Aliphatic C12-C16	6.641	10.039	46274862	508.602	200	ug/ml
Aliphatic C16-C21	10.040	13.406	413750100	4820	300	ug/ml
Aliphatic C21-C28	13.407	17.068	143362981	1730	400	ug/ml
Aliphatic C28-C40	17.069	22.061	96411797	1140	600	ug/ml
Aliphatic EPH	3.340	22.061	700108423	8200		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	3718498	46.35		ug/ml
Aliphatic C9-C28	3.340	17.068	603696626	7060	1200	ug/ml