

Report of Analysis

Client:	PSEG	Date Collected:	09/04/25
Project:	Tonnelle Ave Sub	Date Received:	09/04/25
Client Sample ID:	1413	SDG No.:	Q3022
Lab Sample ID:	Q3022-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 14:40	09/08/25 17:07	PB169599

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	21.9	J	1	8.28	30.0	ug/l	FC069819.D
Aliphatic C12-C16	Aliphatic C12-C16	155		1	13.5	20.0	ug/l	FC069819.D
Aliphatic C16-C21	Aliphatic C16-C21	246		1	8.34	30.0	ug/l	FC069819.D
Aliphatic C21-C28	Aliphatic C21-C28	135		1	12.5	40.0	ug/l	FC069819.D
Aliphatic C28-C40	Aliphatic C28-C40	205		1	23.8	60.0	ug/l	FC069819.D
Aromatic C10-C12	Aromatic C10-C12	28.5		1	2.07	20.0	ug/l	FD049732.D
Aromatic C12-C16	Aromatic C12-C16	263		1	4.26	30.0	ug/l	FD049732.D
Aromatic C16-C21	Aromatic C16-C21	493		1	8.27	50.0	ug/l	FD049732.D
Aromatic C21-C36	Aromatic C21-C36	324		1	23.8	80.0	ug/l	FD049732.D
Total AliphaticEPH	Total AliphaticEPH	763			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1110			38.4	180	ug/l	
Total EPH	Total EPH	1870			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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Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 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
FC069819.D	1	09/04/25	09/08/25	PB169599

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	21.9	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	155		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	246		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	135		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	205		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3022-01	Acq On:	08 Sep 2025 17:07
Client Sample ID:	1413	Operator:	YP/AJ
Data file:	FC069819.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	3.310	6.604	1388601	10.936	300	ug/ml
Aliphatic C12-C16	6.605	10.003	9967099	77.662	200	ug/ml
Aliphatic C16-C21	10.004	13.368	14523141	123.33	300	ug/ml
Aliphatic C21-C28	13.369	17.031	6956959	67.789	400	ug/ml
Aliphatic C28-C40	17.032	22.005	8367831	102.744	600	ug/ml
Aliphatic EPH	3.310	22.005	41203631	382.461		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	2701000	28.23		ug/ml
Aliphatic C9-C28	3.310	17.031	32835800	279.717	1200	ug/ml