

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Waldwick Substation	Date Received:	03/05/25
Client Sample ID:	PURGE-WATER	SDG No.:	Q1494
Lab Sample ID:	Q1494-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 10:34	PB167056

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	31.2	U	1	6.00	31.2	ug/l	FC068393.D
Aliphatic C12-C16	Aliphatic C12-C16	9.44	J	1	3.76	20.8	ug/l	FC068393.D
Aliphatic C16-C21	Aliphatic C16-C21	8.03	J	1	5.35	31.2	ug/l	FC068393.D
Aliphatic C21-C28	Aliphatic C21-C28	41.7	U	1	9.34	41.7	ug/l	FC068393.D
Aliphatic C28-C40	Aliphatic C28-C40	52.0	J	1	17.7	62.5	ug/l	FC068393.D
Aromatic C10-C12	Aromatic C10-C12	3.80	J	1	3.46	20.8	ug/l	FD049183.D
Aromatic C12-C16	Aromatic C12-C16	7.13	J	1	3.84	31.2	ug/l	FD049183.D
Aromatic C16-C21	Aromatic C16-C21	26.0	J	1	13.2	52.1	ug/l	FD049183.D
Aromatic C21-C36	Aromatic C21-C36	39.8	J	1	26.2	83.3	ug/l	FD049183.D
Total AliphaticEPH	Total AliphaticEPH	69.5	J		42.1	187	ug/l	
Total AromaticEPH	Total AromaticEPH	76.7	J		46.7	187	ug/l	
Total EPH	Total EPH	146	J		88.8	375	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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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068393.D	1	03/10/25	03/11/25	PB167056

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Aliphatic C9-C12	Aliphatic C9-C12	31.2	U	6.00	31.2	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	9.44	J	3.76	20.8	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.03	J	5.35	31.2	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	41.7	U	9.34	41.7	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	52.0	J	17.7	62.5	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1494-01	Acq On:	11 Mar 2025 10:34
Client Sample ID:	PURGE-WATER	Operator:	YP/AJ
Data file:	FC068393.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	3.101	6.364	360202	2.462	300	ug/ml
Aliphatic C12-C16	6.365	9.747	638641	4.529	200	ug/ml
Aliphatic C16-C21	9.748	13.100	528113	3.855	300	ug/ml
Aliphatic C21-C28	13.101	16.752	468165	3.567	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2879112	24.946	600	ug/ml
Aliphatic EPH	3.101	21.552	4874233	39.359		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.832	12.832	3121468	26.95		ug/ml
Aliphatic C9-C28	3.101	16.752	1995121	14.413	1200	ug/ml