

Report of Analysis

Client:	PSEG	Date Collected:	02/19/25
Project:	Palisades Electric HQ	Date Received:	02/19/25
Client Sample ID:	PURGE-WATER-COMP	SDG No.:	Q1393
Lab Sample ID:	Q1393-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
02/20/25 09:03	02/20/25 16:36	PB166803

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.3	U	1	5.82	30.3	ug/l	FC068290.D
Aliphatic C12-C16	Aliphatic C12-C16	10.6	J	1	3.65	20.2	ug/l	FC068290.D
Aliphatic C16-C21	Aliphatic C16-C21	7.43	J	1	5.19	30.3	ug/l	FC068290.D
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	1	9.06	40.4	ug/l	FC068290.D
Aliphatic C28-C40	Aliphatic C28-C40	100		1	17.2	60.6	ug/l	FC068290.D
Aromatic C10-C12	Aromatic C10-C12	4.62	J	1	3.35	20.2	ug/l	FD049095.D
Aromatic C12-C16	Aromatic C12-C16	16.1	J	1	3.73	30.3	ug/l	FD049095.D
Aromatic C16-C21	Aromatic C16-C21	30.6	J	1	12.8	50.5	ug/l	FD049095.D
Aromatic C21-C36	Aromatic C21-C36	35.5	J	1	25.5	80.8	ug/l	FD049095.D
Total AliphaticEPH	Total AliphaticEPH	118	J		40.9	182	ug/l	
Total AromaticEPH	Total AromaticEPH	86.8	J		45.4	182	ug/l	
Total EPH	Total EPH	205	J		86.3	364	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068290.D	1	02/20/25	02/20/25	PB166803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.3	U	5.82	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	10.6	J	3.65	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	7.43	J	5.19	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	9.06	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	100		17.2	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1393-05	Acq On:	20 Feb 2025 16:36
Client Sample ID:	PURGE-WATER-COMP	Operator:	YP/AJ
Data file:	FC068290.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	3.105	6.372	402838	2.856	300	ug/ml
Aliphatic C12-C16	6.373	9.757	715843	5.238	200	ug/ml
Aliphatic C16-C21	9.758	13.112	483898	3.676	300	ug/ml
Aliphatic C21-C28	13.113	16.766	330560	2.694	400	ug/ml
Aliphatic C28-C40	16.767	21.574	5126023	49.842	600	ug/ml
Aliphatic EPH	3.105	21.574	7059162	64.307		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.843	12.843	4506057	39.18		ug/ml
Aliphatic C9-C28	3.105	16.766	1933139	14.464	1200	ug/ml