

Report of Analysis

Client:	PSEG	Date Collected:	07/14/25
Project:	North Ave Substation	Date Received:	07/14/25
Client Sample ID:	FRAC-TANK-266380	SDG No.:	Q2602
Lab Sample ID:	Q2602-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 08:40	07/17/25 3:55	PB168879

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	8.28	30.0	ug/l	FC069474.D
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FC069474.D
Aliphatic C16-C21	Aliphatic C16-C21	9.05	J	1	8.34	30.0	ug/l	FC069474.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FC069474.D
Aliphatic C28-C40	Aliphatic C28-C40	112		1	23.8	60.0	ug/l	FC069474.D
Aromatic C10-C12	Aromatic C10-C12	6.90	J	1	2.07	20.0	ug/l	FD049564.D
Aromatic C12-C16	Aromatic C12-C16	9.07	J	1	4.26	30.0	ug/l	FD049564.D
Aromatic C16-C21	Aromatic C16-C21	43.2	J	1	8.27	50.0	ug/l	FD049564.D
Aromatic C21-C36	Aromatic C21-C36	80.0	U	1	23.8	80.0	ug/l	FD049564.D
Total AliphaticEPH	Total AliphaticEPH	121	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	59.2	J		38.4	180	ug/l	
Total EPH	Total EPH	180	J		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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069474.D	1	07/16/25	07/17/25	PB168879

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Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	13.5	20.0	ug/l
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Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	112		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.5		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2602-01	Acq On:	17 Jul 2025 03:55
Client Sample ID:	FRAC-TANK-266380	Operator:	YP/AJ
Data file:	FC069474.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	486783	3.502	300	ug/ml
Aliphatic C12-C16	6.598	10.000	888703	6.168	200	ug/ml
Aliphatic C16-C21	10.001	13.371	615549	4.526	300	ug/ml
Aliphatic C21-C28	13.372	17.037	461357	3.877	400	ug/ml
Aliphatic C28-C40	17.038	22.012	5033540	56.001	600	ug/ml
Aliphatic EPH	3.297	22.012	7485932	74.075		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	2878744	25.47		ug/ml
Aliphatic C9-C28	3.297	17.037	2452392	18.073	1200	ug/ml