

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	PSEG Onyx- STL	Date Received:	10/21/25
Client Sample ID:	TP-6	SDG No.:	Q3412
Lab Sample ID:	Q3412-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	221		10	13.1	22.3	mg/kg	FE056485.D	10/24/25 11:22	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	71.9		1	1.01	4.44	mg/kg	FE056472.D	10/23/25 19:50	PB170207
Total AliphaticEPH	Total AliphaticEPH	293			14.1	26.7	mg/kg			
Total EPH	Total EPH	293			14.1	26.7	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	71.9	1		1.01	4.44	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	185	E 1		1.31	2.23	mg/kg	10/23/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	45.0			40 - 140	90%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.1			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3412-01	Acq On:	23 Oct 2025 19:50
Client Sample ID:	TP-6	Operator:	YP\AJ
Data file:	FE056472.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	20575671	124.642	300	ug/ml
Aliphatic C12-C16	6.922	10.373	8833574	51.796	200	ug/ml
Aliphatic C16-C21	10.374	13.751	60855016	340.661	300	ug/ml
Aliphatic C21-C28	13.752	17.422	80790581	451.119	400	ug/ml
Aliphatic C28-C40	17.423	22.413	346763676	2500	600	ug/ml
Aliphatic EPH	3.294	22.413	517818518	3470		ug/ml
ortho-Terphenyl (SURR)	12.048	12.048	5119816	25.06		ug/ml
1-chlorooctadecane (SURR)	13.486	13.486	6858190	44.95		ug/ml
Aliphatic C9-C28	3.294	17.422	171054842	968.218	1200	ug/ml