

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	PSEG Roseland Switching Station	Date Received:	10/30/25
Client Sample ID:	RBR251235	SDG No.:	Q3499
Lab Sample ID:	Q3499-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	54.7
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	153		5	10.8	18.3	mg/kg	FE056630.D	11/03/25 11:55	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	21700		250	414	1820	mg/kg	FE056631.D	11/03/25 12:25	PB170341
Total AliphaticEPH	Total AliphaticEPH	21900			425	1840	mg/kg			
Total EPH	Total EPH	21900			425	1840	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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		Prep Date	10/31/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	20100	E	1	1.66	7.31	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	131	E	1	2.15	3.65	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	0.00			40 - 140	0%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3499-01	Acq On:	31 Oct 2025 18:01
Client Sample ID:	RBR251235	Operator:	YP\AJ
Data file:	FE056616.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	22867703	133.602	300	ug/ml
Aliphatic C12-C16	6.854	10.303	3101198273	17300	200	ug/ml
Aliphatic C16-C21	10.304	13.679	21848034541	117000	300	ug/ml
Aliphatic C21-C28	13.680	17.352	5864920375	30400	400	ug/ml
Aliphatic C28-C40	17.353	22.305	171890737	1080	600	ug/ml
Aliphatic EPH	3.227	22.305	31008911629	166000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.227	17.352	30837020892	166000	1200	ug/ml