

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	PB170258BSD	SDG No.:	Q3451
Lab Sample ID:	PB170258BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	17.4		1	1.18	2.00	mg/kg	FC070049.D	10/27/25 15:37	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	60.5		1	0.91	3.99	mg/kg	FC070049.D	10/27/25 15:37	PB170258
Total AliphaticEPH	Total AliphaticEPH	77.9			2.09	5.99	mg/kg			
Total EPH	Total EPH	77.9			2.09	5.99	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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	PB170258BSD	SDG No.:	Q3451
Lab Sample ID:	PB170258BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	60.5	1		0.91	3.99	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	17.4	1		1.18	2.00	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	41.8			40 - 140	84%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.6			40 - 140	79%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170258BSD	Acq On:	27 Oct 2025 15:37
Client Sample ID:	PB170258BSD	Operator:	YP/AJ
Data file:	FC070049.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.575	22554833	155.781	300	ug/ml
Aliphatic C12-C16	6.576	9.977	33230459	202.894	200	ug/ml
Aliphatic C16-C21	9.978	13.344	39787670	245.686	300	ug/ml
Aliphatic C21-C28	13.345	17.008	44544802	302.733	400	ug/ml
Aliphatic C28-C40	17.009	21.965	28115617	261.298	600	ug/ml
Aliphatic EPH	3.280	21.965	168233381	1170		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	6950766	39.58		ug/ml
1-chlorooctadecane (SURR)	13.080	13.080	5673226	41.79		ug/ml
Aliphatic C9-C28	3.280	17.008	140117764	907.094	1200	ug/ml