

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	OR-500 Englewood	Date Received:	09/19/25
Client Sample ID:	OR-500-115	SDG No.:	Q3153
Lab Sample ID:	Q3153-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	09/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1	1.28	2.16	mg/kg	FE055947.D	09/23/25 4:04	PB169775
Aliphatic C9-C28	Aliphatic C9-C28	3.06	J	1	0.98	4.32	mg/kg	FE055947.D	09/23/25 4:04	PB169775
Total AliphaticEPH	Total AliphaticEPH	13.8			2.26	6.48	mg/kg			
Total EPH	Total EPH	13.8			2.26	6.48	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:	09/19/25
Project:	OR-500 Englewood	Date Received:	09/19/25
Client Sample ID:	OR-500-115	SDG No.:	Q3153
Lab Sample ID:	Q3153-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Prep Date	09/22/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.06	J	1	0.98	4.32	mg/kg	09/23/25	PB169775
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1	1.28	2.16	mg/kg	09/23/25	PB169775
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.8			40 - 140	78%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.3			40 - 140	75%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3153-03	Acq On:	23 Sep 2025 04:04
Client Sample ID:	OR-500-115	Operator:	YP\AJ
Data file:	FE055947.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	404668	3.152	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1040388	7.701	200	ug/ml
Aliphatic C16-C21	10.401	13.780	1339600	9.289	300	ug/ml
Aliphatic C21-C28	13.781	17.452	3204755	22.374	400	ug/ml
Aliphatic C28-C40	17.453	22.472	20346503	147.739	600	ug/ml
Aliphatic EPH	3.312	22.472	26335914	190.254		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6134798	37.34		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4853338	38.81		ug/ml
Aliphatic C9-C28	3.312	17.452	5989411	42.516	1200	ug/ml