

Report of Analysis

Client:	PSEG	Date Collected:	05/27/25
Project:	OR 646 Closter & Demarest	Date Received:	05/27/25
Client Sample ID:	OR-646-154	SDG No.:	Q2136
Lab Sample ID:	Q2136-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/29/25 09:15	05/29/25 16:05	PB168197

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1	1.48	2.51	mg/kg	FE054073.D
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	1	1.14	5.01	mg/kg	FE054073.D
Total AliphaticEPH	Total AliphaticEPH	8.90			2.62	7.52	mg/kg	
Total EPH	Total EPH	8.90			2.62	7.52	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 Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054073.D	1	05/29/25	05/29/25	PB168197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	1.14	5.01	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1.48	2.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.1		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.4		40 - 140	111%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2136-03	Acq On:	29 May 2025 16:05
Client Sample ID:	OR-646-154	Operator:	YP\AJ
Data file:	FE054073.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.088	6.732	3585030	26.445	300	ug/ml
Aliphatic C12-C16	6.733	10.179	1441364	10.681	200	ug/ml
Aliphatic C16-C21	10.180	13.553	494423	3.748	300	ug/ml
Aliphatic C21-C28	13.554	17.219	1344993	10.831	400	ug/ml
Aliphatic C28-C40	17.220	22.092	6333008	54.864	600	ug/ml
Aliphatic EPH	3.088	22.092	13198818	106.57		ug/ml
ortho-Terphenyl (SURR)	11.842	11.842	9009233	55.44		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	7240638	61.08		ug/ml
Aliphatic C9-C28	3.088	17.219	6865810	51.705	1200	ug/ml