

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	OR-636 Oradell and New Milford	Date Received:	
Client Sample ID:	PB167926BS	SDG No.:	Q1983
Lab Sample ID:	PB167926BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02      Units:    g	Final Vol:	2000              uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/09/25 09:02	05/09/25 15:11	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	34.8		1	1.18	2.00	mg/kg	FC068813.D
Aliphatic C9-C28	Aliphatic C9-C28	104	E	1	0.91	3.99	mg/kg	FC068813.D
Total AliphaticEPH	Total AliphaticEPH	139			2.09	5.99	mg/kg	
Total EPH	Total EPH	139			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

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068813.D	1	05/09/25	05/09/25	PB167926

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	104	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.8		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	44.2		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.0		40 - 140	80%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167926BS	Acq On:	09 May 2025 15:11
Client Sample ID:	PB167926BS	Operator:	YP/AJ
Data file:	FC068813.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	23602997	238.094	300	ug/ml
Aliphatic C12-C16	6.643	10.043	32124896	353.081	200	ug/ml
Aliphatic C16-C21	10.044	13.410	36209374	422.215	300	ug/ml
Aliphatic C21-C28	13.411	17.074	45663150	549.555	400	ug/ml
Aliphatic C28-C40	17.075	22.075	44225815	522.624	600	ug/ml
Aliphatic EPH	3.342	22.075	181826232	2090		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	4564033	39.99		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3543724	44.17		ug/ml
Aliphatic C9-C28	3.342	17.074	137600417	1560	1200	ug/ml