

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	OR-636 Oradell and New Milford	Date Received:	
Client Sample ID:	PB167926BSD	SDG No.:	Q1983
Lab Sample ID:	PB167926BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 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 15:48	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1	1.18	2.00	mg/kg	FC068814.D
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1	0.91	4.00	mg/kg	FC068814.D
Total AliphaticEPH	Total AliphaticEPH	146			2.09	6.00	mg/kg	
Total EPH	Total EPH	146			2.09	6.00	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
FC068814.D	1	05/09/25	05/09/25	PB167926

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	109	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.4		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167926BSD	Acq On:	09 May 2025 15:48
Client Sample ID:	PB167926BSD	Operator:	YP/AJ
Data file:	FC068814.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	3.342	6.642	24694377	249.103	300	ug/ml
Aliphatic C12-C16	6.643	10.043	33689160	370.274	200	ug/ml
Aliphatic C16-C21	10.044	13.410	38105122	444.32	300	ug/ml
Aliphatic C21-C28	13.411	17.074	47988269	577.538	400	ug/ml
Aliphatic C28-C40	17.075	22.075	46523041	549.77	600	ug/ml
Aliphatic EPH	3.342	22.075	190999969	2190		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	4801515	42.07		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3725164	46.43		ug/ml
Aliphatic C9-C28	3.342	17.074	144476928	1640	1200	ug/ml