

Report of Analysis

Client:	PSEG	Date Collected:	05/07/25
Project:	OR-636 Oradell and New Milford	Date Received:	05/08/25
Client Sample ID:	OR-636-07	SDG No.:	Q1983
Lab Sample ID:	Q1983-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
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
05/09/25 09:02	05/09/25 20:11	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1	1.23	2.08	mg/kg	FC068821.D
Aliphatic C9-C28	Aliphatic C9-C28	3.84	J	1	0.95	4.16	mg/kg	FC068821.D
Total AliphaticEPH	Total AliphaticEPH	6.32			2.18	6.24	mg/kg	
Total EPH	Total EPH	6.32			2.18	6.24	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068821.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	3.84	J	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.6		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-15	Acq On:	09 May 2025 20:11
Client Sample ID:	OR-636-07	Operator:	YP/AJ
Data file:	FC068821.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	255325	2.576	300	ug/ml
Aliphatic C12-C16	6.643	10.043	951594	10.459	200	ug/ml
Aliphatic C16-C21	10.044	13.410	1240238	14.462	300	ug/ml
Aliphatic C21-C28	13.411	17.074	2321718	27.942	400	ug/ml
Aliphatic C28-C40	17.075	22.075	3026991	35.77	600	ug/ml
Aliphatic EPH	3.342	22.075	7795866	91.208		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	4848236	42.48		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3739781	46.62		ug/ml
Aliphatic C9-C28	3.342	17.074	4768875	55.439	1200	ug/ml