

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	OR-636 Oradell and New Milford	Date Received:	05/09/25
Client Sample ID:	OR-636-30	SDG No.:	Q2007
Lab Sample ID:	Q2007-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 20:12	PB167974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1	1.29	2.18	mg/kg	FC068857.D
Aliphatic C9-C28	Aliphatic C9-C28	2.59	J	1	0.99	4.37	mg/kg	FC068857.D
Total AliphaticEPH	Total AliphaticEPH	6.30	J		2.28	6.55	mg/kg	
Total EPH	Total EPH	6.30	J		2.28	6.55	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
FC068857.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.59	J	0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.5		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.3		40 - 140	109%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2007-05	Acq On:	13 May 2025 20:12
Client Sample ID:	OR-636-30	Operator:	YP/AJ
Data file:	FC068857.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	3.341	6.641	312367	3.151	300	ug/ml
Aliphatic C12-C16	6.642	10.040	644525	7.084	200	ug/ml
Aliphatic C16-C21	10.041	13.406	937779	10.935	300	ug/ml
Aliphatic C21-C28	13.407	17.068	1195148	14.384	400	ug/ml
Aliphatic C28-C40	17.069	22.062	4306253	50.888	600	ug/ml
Aliphatic EPH	3.341	22.062	7396072	86.441		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	6201310	54.33		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	4855030	60.52		ug/ml
Aliphatic C9-C28	3.341	17.068	3089819	35.554	1200	ug/ml