

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-636-29	SDG No.:	Q2007
Lab Sample ID:	Q2007-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.04 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 19:35	PB167974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.99		1	1.46	2.48	mg/kg	FC068856.D
Aliphatic C9-C28	Aliphatic C9-C28	3.43	J	1	1.13	4.96	mg/kg	FC068856.D
Total AliphaticEPH	Total AliphaticEPH	8.42			2.59	7.44	mg/kg	
Total EPH	Total EPH	8.42			2.59	7.44	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
FC068856.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	3.43	J	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.99		1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.2		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2007-04	Acq On:	13 May 2025 19:35
Client Sample ID:	OR-636-29	Operator:	YP/AJ
Data file:	FC068856.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	355071	3.582	300	ug/ml
Aliphatic C12-C16	6.642	10.040	647278	7.114	200	ug/ml
Aliphatic C16-C21	10.041	13.406	1221198	14.24	300	ug/ml
Aliphatic C21-C28	13.407	17.068	1373469	16.53	400	ug/ml
Aliphatic C28-C40	17.069	22.062	5107044	60.351	600	ug/ml
Aliphatic EPH	3.341	22.062	8704060	101.816		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	5783406	50.67		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	4426507	55.18		ug/ml
Aliphatic C9-C28	3.341	17.068	3597016	41.466	1200	ug/ml