

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-636-32	SDG No.:	Q2007
Lab Sample ID:	Q2007-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 15:12	PB167974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.30		1	1.33	2.26	mg/kg FE053790.D
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1	1.03	4.52	mg/kg FE053790.D
Total AliphaticEPH	Total AliphaticEPH	7.75			2.36	6.78	mg/kg
Total EPH	Total EPH	7.75			2.36	6.78	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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Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053790.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	5.45		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.30		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.0		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2007-10	Acq On:	13 May 2025 15:12
Client Sample ID:	OR-636-32	Operator:	YP\AJ
Data file:	FE053790.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.744	531954	3.839	300	ug/ml
Aliphatic C12-C16	6.745	10.192	684713	4.829	200	ug/ml
Aliphatic C16-C21	10.193	13.566	7328231	50.413	300	ug/ml
Aliphatic C21-C28	13.567	17.233	1888444	13.283	400	ug/ml
Aliphatic C28-C40	17.234	22.115	3945771	30.576	600	ug/ml
Aliphatic EPH	3.103	22.115	14379113	102.939		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	6664280	36.95		ug/ml
1-chlorooctadecane (SURR)	13.299	13.299	5067021	37.48		ug/ml
Aliphatic C9-C28	3.103	17.233	10433342	72.364	1200	ug/ml