

## 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-636-16	SDG No.:	Q1983
Lab Sample ID:	Q1983-33	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/09/25 09:02	05/09/25 19:32	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Aliphatic C28-C40	Aliphatic C28-C40	2.20		1	1.24	2.11	mg/kg FE053756.D
Aliphatic C9-C28	Aliphatic C9-C28	5.56		1	0.96	4.20	mg/kg FE053756.D
Total AliphaticEPH	Total AliphaticEPH	7.76			2.20	6.31	mg/kg
Total EPH	Total EPH	7.76			2.20	6.31	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
FE053756.D	1	05/09/25	05/09/25	PB167926

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	5.56		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.20		1.24	2.11	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-33	Acq On:	09 May 2025 19:32
Client Sample ID:	OR-636-16	Operator:	YP\AJ
Data file:	FE053756.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	417458	3.013	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1426998	10.063	200	ug/ml
Aliphatic C16-C21	10.196	13.570	8427496	57.975	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1161700	8.171	400	ug/ml
Aliphatic C28-C40	17.239	22.119	4036063	31.275	600	ug/ml
Aliphatic EPH	3.105	22.119	15469715	110.497		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	7665484	42.5		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	6067057	44.88		ug/ml
Aliphatic C9-C28	3.105	17.238	11433652	79.222	1200	ug/ml