

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-636-12	SDG No.:	Q1983
Lab Sample ID:	Q1983-23	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.07 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 17:32	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.46		1	1.43	2.42	mg/kg	FE053752.D
Aliphatic C9-C28	Aliphatic C9-C28	1.45	J	1	1.10	4.84	mg/kg	FE053752.D
Total AliphaticEPH	Total AliphaticEPH	3.90	J		2.53	7.25	mg/kg	
Total EPH	Total EPH	3.90	J		2.53	7.25	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
FE053752.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	1.45	J	1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.46		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.3		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.7		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-23	Acq On:	09 May 2025 17:32
Client Sample ID:	OR-636-12	Operator:	YP\AJ
Data file:	FE053752.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	166993	1.205	300	ug/ml
Aliphatic C12-C16	6.748	10.195	836004	5.895	200	ug/ml
Aliphatic C16-C21	10.196	13.570	570944	3.928	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1153982	8.117	400	ug/ml
Aliphatic C28-C40	17.239	22.119	3948644	30.598	600	ug/ml
Aliphatic EPH	3.105	22.119	6676567	49.743		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	3910253	21.68		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	3142991	23.25		ug/ml
Aliphatic C9-C28	3.105	17.238	2727923	19.145	1200	ug/ml