

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-636-27	SDG No.:	Q1983
Lab Sample ID:	Q1983-53	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
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
05/12/25 08:30	05/12/25 17:36	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.17		1	1.24	2.10	mg/kg	FE053772.D
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1	0.96	4.20	mg/kg	FE053772.D
Total AliphaticEPH	Total AliphaticEPH	4.65	J		2.20	6.30	mg/kg	
Total EPH	Total EPH	4.65	J		2.20	6.30	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
FE053772.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.17		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.1		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.5		40 - 140	107%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-53	Acq On:	12 May 2025 17:36
Client Sample ID:	OR-636-27	Operator:	YP\AJ
Data file:	FE053772.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	3.103	6.745	486254	3.509	300	ug/ml
Aliphatic C12-C16	6.746	10.194	1995518	14.072	200	ug/ml
Aliphatic C16-C21	10.195	13.568	839099	5.772	300	ug/ml
Aliphatic C21-C28	13.569	17.237	1719083	12.091	400	ug/ml
Aliphatic C28-C40	17.238	22.126	4004369	31.03	600	ug/ml
Aliphatic EPH	3.103	22.126	9044323	66.475		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	9645517	53.48		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	7447204	55.09		ug/ml
Aliphatic C9-C28	3.103	17.237	5039954	35.444	1200	ug/ml