

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-636-20	SDG No.:	Q1983
Lab Sample ID:	Q1983-40	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.02 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 21:33	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1	1.34	2.28	mg/kg	FE053760.D
Aliphatic C9-C28	Aliphatic C9-C28	1.23	J	1	1.03	4.56	mg/kg	FE053760.D
Total AliphaticEPH	Total AliphaticEPH	3.94	J		2.38	6.84	mg/kg	
Total EPH	Total EPH	3.94	J		2.38	6.84	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
FE053760.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	1.23	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.4		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.8		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-40	Acq On:	09 May 2025 21:33
Client Sample ID:	OR-636-20	Operator:	YP\AJ
Data file:	FE053760.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	384650	2.776	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1340234	9.451	200	ug/ml
Aliphatic C16-C21	10.196	13.570	574897	3.955	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1065261	7.493	400	ug/ml
Aliphatic C28-C40	17.239	22.119	4603909	35.676	600	ug/ml
Aliphatic EPH	3.105	22.119	7968951	59.35		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	7351062	40.76		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	5729847	42.39		ug/ml
Aliphatic C9-C28	3.105	17.238	3365042	23.675	1200	ug/ml