

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-636-17	SDG No.:	Q1983
Lab Sample ID:	Q1983-34	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.03	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 20:03	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.18	J	1	1.35	2.28	mg/kg	FE053757.D
Aliphatic C9-C28	Aliphatic C9-C28	1.57	J	1	1.04	4.56	mg/kg	FE053757.D
Total AliphaticEPH	Total AliphaticEPH	3.75	J		2.39	6.84	mg/kg	
Total EPH	Total EPH	3.75	J		2.39	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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Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.03 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
FE053757.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	1.57	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.18	J	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.1		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.4		40 - 140	101%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-34	Acq On:	09 May 2025 20:03
Client Sample ID:	OR-636-17	Operator:	YP\AJ
Data file:	FE053757.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	550692	3.974	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1661455	11.716	200	ug/ml
Aliphatic C16-C21	10.196	13.570	720473	4.956	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1078364	7.585	400	ug/ml
Aliphatic C28-C40	17.239	22.119	3705884	28.717	600	ug/ml
Aliphatic EPH	3.105	22.119	7716868	56.949		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	9087133	50.38		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	7047375	52.13		ug/ml
Aliphatic C9-C28	3.105	17.238	4010984	28.231	1200	ug/ml