

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-636-22	SDG No.:	Q1983
Lab Sample ID:	Q1983-45	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.05 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 15:06	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.41		1	1.28	2.17	mg/kg	FE053767.D
Aliphatic C9-C28	Aliphatic C9-C28	2.02	J	1	0.99	4.33	mg/kg	FE053767.D
Total AliphaticEPH	Total AliphaticEPH	4.43	J		2.27	6.50	mg/kg	
Total EPH	Total EPH	4.43	J		2.27	6.50	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
FE053767.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	2.02	J	0.99	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.41		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.8		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.8		40 - 140	106%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-45	Acq On:	12 May 2025 15:06
Client Sample ID:	OR-636-22	Operator:	YP\AJ
Data file:	FE053767.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	378396	2.731	300	ug/ml
Aliphatic C12-C16	6.746	10.194	1687914	11.903	200	ug/ml
Aliphatic C16-C21	10.195	13.568	731925	5.035	300	ug/ml
Aliphatic C21-C28	13.569	17.237	1180240	8.301	400	ug/ml
Aliphatic C28-C40	17.238	22.126	4302257	33.338	600	ug/ml
Aliphatic EPH	3.103	22.126	8280732	61.308		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	9522301	52.8		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	7400957	54.75		ug/ml
Aliphatic C9-C28	3.103	17.237	3978475	27.97	1200	ug/ml