

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-636-10	SDG No.:	Q1983
Lab Sample ID:	Q1983-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.01 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 16:31	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.68		1	1.30	2.20	mg/kg FE053750.D
Aliphatic C9-C28	Aliphatic C9-C28	4.61		1	1.00	4.41	mg/kg FE053750.D
Total AliphaticEPH	Total AliphaticEPH	7.29			2.30	6.61	mg/kg
Total EPH	Total EPH	7.29			2.30	6.61	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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Total AliphaticEPH	Total AliphaticEPH	7.29			2.30	6.61	mg/kg
Total EPH	Total EPH	7.29			2.30	6.61	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.

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053750.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	4.61		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.68		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-21	Acq On:	09 May 2025 16:31
Client Sample ID:	OR-636-10	Operator:	YP\AJ
Data file:	FE053750.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	204946	1.479	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1080616	7.62	200	ug/ml
Aliphatic C16-C21	10.196	13.570	5803274	39.922	300	ug/ml
Aliphatic C21-C28	13.571	17.238	2165368	15.23	400	ug/ml
Aliphatic C28-C40	17.239	22.119	4701059	36.428	600	ug/ml
Aliphatic EPH	3.105	22.119	13955263	100.681		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	6261226	34.71		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	4823696	35.68		ug/ml
Aliphatic C9-C28	3.105	17.238	9254204	64.251	1200	ug/ml