

## **Report of Analysis**

Client:	PSEG					Date Collected:	05/07	7/25	
Project:	OR-636 Oradell a	nd New I	Milford			Date Received:	05/08	3/25	
Client Sample ID:	OR-636-24					SDG No.:	Q198	33	
Lab Sample ID:	Q1983-47					Matrix:	Solid		
Analytical Method:	NJEPH					% Solid:	97.3		
Sample Wt/Vol:	30.04 Units:	g				Final Vol:	2000	uL	
Soil Aliquot Vol:		uL				Test:	EPH	NF	
Prep Method :									
Pren Date :			Date	Analyzed ·				Pren Batch ID	
05/12/25.08	20		05/12	2/25 16:05				PB167045	
03/12/23 08.	50		03/12	2/23 10.03				FB107945	Datafile
CAS Number Para	ameter	Conc.	Qualifier	Dilution	MDL	LOQ / C	RQL	Units(Dry Weight)	
TARGETS									
Aliphatic C28-C40	Aliphatic C28-C40	2.86		1	1.21	2.05		mg/kg	FE053769.D
Aliphatic C9-C28	Aliphatic C9-C28	6.75		1	0.93	4.11		mg/kg	FE053769.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.14	6.16		mg/kg	
Total EPH	Total EPH	9.61			2.14	6.16		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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Lab Sample ID:	Q1983-47					Matrix:	Solid		
Analytical Method:	NJEPH					% Solid:	97.3		
Sample Wt/Vol:	30.04 Units:	g				Final Vol:	2000	uL	
Soil Aliquot Vol:		uL				Test:	EPH	NF	
Prep Method :									
Pren Date :			Date	Analyzed ·				Pren Batch ID	
05/12/25.08	20		05/12	2/25 16:05				PB167045	
03/12/23 08.	50		03/12	2/23 10.03				FB107945	Datafile
CAS Number Para	ameter	Conc.	Qualifier	Dilution	MDL	LOQ / C	RQL	Units(Dry Weight)	
TARGETS									
Aliphatic C28-C40	Aliphatic C28-C40	2.86		1	1.21	2.05		mg/kg	FE053769.D
Aliphatic C9-C28	Aliphatic C9-C28	6.75		1	0.93	4.11		mg/kg	FE053769.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.14	6.16		mg/kg	
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\* 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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Client:	PSEG				Date C	collected:	05/07/25		
Project:	OR-636	Oradell and New Milford		Date R	eceived:	05/08/25			
Client Sample ID:	OR-636-	-24			SDG N	lo.:	Q1983		
Lab Sample ID:	Q1983-4	17			Matrix	:	Solid		
Analytical Method:	NJEPH				% Soli	d:	97.3		
Sample Wt/Vol:	30.04	Units: g			Final V	/ol:	2000	uL	
Soil Aliquot Vol:		uL			Test:		EPH NF		
Prep Method :							_		
File ID :	Dilution:	Prep Date :		Date	Analy	zed :	Р	rep Batch ID	
FE053769.D	1	05/12/25		05/12	2/25		Р	B167945	
			~						
CAS Number Parame	eter		Conc.	Qua	ifier	MDL		LOQ / CRQL	Units
TARGETS									
Aliphatic C9-C28		Aliphatic C9-C28	6.75			0.93		4.11	mg/kg
Aliphatic C28-C40		Aliphatic C28-C40	2.86			1.21		2.05	mg/kg
SURROGATES									
3383-33-2		1-chlorooctadecane (SURR)	55.3			40 - 140		110%	SPK: 50
84-15-1		ortho-Terphenyl (SURR)	53.3			40 - 140		107%	SPK: 50



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## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-47	Acq On:	12 May 2025 16:05
Client Sample ID:	OR-636-24	Operator:	YP\AJ
Data file:	FE053769.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	505595	3.649	300	ug/ml
Aliphatic C12-C16	6.746	10.194	1766204	12.455	200	ug/ml
Aliphatic C16-C21	10.195	13.568	10426857	71.729	300	ug/ml
Aliphatic C21-C28	13.569	17.237	1539636	10.829	400	ug/ml
Aliphatic C28-C40	17.238	22.126	5397983	41.829	600	ug/ml
Aliphatic EPH	3.103	22.126	19636275	140.491		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	9613306	53.3		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	7468373	55.25		ug/ml
Aliphatic C9-C28	3.103	17.237	14238292	98.662	1200	ug/ml