

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-636-03	SDG No.:	Q1983
Lab Sample ID:	Q1983-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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 15:01	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.57		1	1.31	2.22	mg/kg FE053747.D
Aliphatic C9-C28	Aliphatic C9-C28	20.9		1	1.01	4.44	mg/kg FE053747.D
Total AliphaticEPH	Total AliphaticEPH	29.5			2.32	6.66	mg/kg
Total EPH	Total EPH	29.5			2.32	6.66	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

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-636-03	SDG No.:	Q1983
Lab Sample ID:	Q1983-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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 15:01	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.57		1	1.31	2.22	mg/kg FE053747.D
Aliphatic C9-C28	Aliphatic C9-C28	20.9		1	1.01	4.44	mg/kg FE053747.D
Total AliphaticEPH	Total AliphaticEPH	29.5			2.32	6.66	mg/kg
Total EPH	Total EPH	29.5			2.32	6.66	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

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-636-03	SDG No.:	Q1983
Lab Sample ID:	Q1983-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.02 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
FE053747.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	20.9		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.57		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-05	Acq On:	09 May 2025 15:01
Client Sample ID:	OR-636-03	Operator:	YP\AJ
Data file:	FE053747.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	349068	2.519	300	ug/ml
Aliphatic C12-C16	6.748	10.195	2792461	19.692	200	ug/ml
Aliphatic C16-C21	10.196	13.570	17536545	120.639	300	ug/ml
Aliphatic C21-C28	13.571	17.238	20021291	140.822	400	ug/ml
Aliphatic C28-C40	17.239	22.119	14969136	115.996	600	ug/ml
Aliphatic EPH	3.105	22.119	55668501	399.668		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	5189949	28.78		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	4154508	30.73		ug/ml
Aliphatic C9-C28	3.105	17.238	40699365	283.672	1200	ug/ml