

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-636-02	SDG No.:	Q1983
Lab Sample ID:	Q1983-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
05/09/25 09:02	05/09/25 14:31	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.35		1	1.35	2.30	mg/kg	FE053746.D
Aliphatic C9-C28	Aliphatic C9-C28	2.07	J	1	1.04	4.59	mg/kg	FE053746.D
Total AliphaticEPH	Total AliphaticEPH	4.42	J		2.39	6.89	mg/kg	
Total EPH	Total EPH	4.42	J		2.39	6.89	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-636-02	SDG No.:	Q1983
Lab Sample ID:	Q1983-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/09/25 09:02	05/09/25 14:31	PB167926

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.35		1	1.35	2.30	mg/kg	FE053746.D
Aliphatic C9-C28	Aliphatic C9-C28	2.07	J	1	1.04	4.59	mg/kg	FE053746.D
Total AliphaticEPH	Total AliphaticEPH	4.42	J		2.39	6.89	mg/kg	
Total EPH	Total EPH	4.42	J		2.39	6.89	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-636-02	SDG No.:	Q1983
Lab Sample ID:	Q1983-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.05 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
FE053746.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	2.07	J	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.35		1.35	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1983-04	Acq On:	09 May 2025 14:31
Client Sample ID:	OR-636-02	Operator:	YP\AJ
Data file:	FE053746.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.105	6.747	541732	3.91	300	ug/ml
Aliphatic C12-C16	6.748	10.195	1017297	7.174	200	ug/ml
Aliphatic C16-C21	10.196	13.570	890895	6.129	300	ug/ml
Aliphatic C21-C28	13.571	17.238	1395404	9.815	400	ug/ml
Aliphatic C28-C40	17.239	22.119	3960548	30.69	600	ug/ml
Aliphatic EPH	3.105	22.119	7805876	57.717		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	8052093	44.64		ug/ml
1-chlorooctadecane (SURR)	13.304	13.304	6172625	45.66		ug/ml
Aliphatic C9-C28	3.105	17.238	3845328	27.028	1200	ug/ml