

Report of Analysis

Client:	PSEG	Date Collected:	03/07/25
Project:	OR-636 Oradell and New Milford	Date Received:	03/07/25
Client Sample ID:	OR-363-46	SDG No.:	Q1534
Lab Sample ID:	Q1534-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/11/25 09:30	03/11/25 15:08	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.22		1	2.05	2.28	mg/kg	FE052734.D
Aliphatic C9-C28	Aliphatic C9-C28	2.83	J	1	1.96	4.56	mg/kg	FE052734.D
Total AliphaticEPH	Total AliphaticEPH	6.05	J		4.01	6.84	mg/kg	
Total EPH	Total EPH	6.05	J		4.01	6.84	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052734.D	1	03/11/25	03/11/25	PB167079

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.83	J	1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.22		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.7		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1534-03	Acq On:	11 Mar 2025 15:08
Client Sample ID:	OR-363-46	Operator:	YP\AJ
Data file:	FE052734.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	3.148	6.791	1049080	6.727	300	ug/ml
Aliphatic C12-C16	6.792	10.243	836075	5.497	200	ug/ml
Aliphatic C16-C21	10.244	13.622	1290276	8.804	300	ug/ml
Aliphatic C21-C28	13.623	17.293	2315191	16.252	400	ug/ml
Aliphatic C28-C40	17.294	22.207	5405536	42.367	600	ug/ml
Aliphatic EPH	3.148	22.207	10896158	79.648		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	4845735	28.74		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	3604914	29.69		ug/ml
Aliphatic C9-C28	3.148	17.293	5490622	37.28	1200	ug/ml