

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-363-51	SDG No.:	Q1534
Lab Sample ID:	Q1534-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/11/25 09:30	03/11/25 18:10	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.05		1	2.13	2.36	mg/kg	FE052739.D
Aliphatic C9-C28	Aliphatic C9-C28	10.0		1	2.03	4.73	mg/kg	FE052739.D
Total AliphaticEPH	Total AliphaticEPH	18.1			4.16	7.09	mg/kg	
Total EPH	Total EPH	18.1			4.16	7.09	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052739.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	10.0		2.03	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.05		2.13	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1534-11	Acq On:	11 Mar 2025 18:10
Client Sample ID:	OR-363-51	Operator:	YP\AJ
Data file:	FE052739.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	900366	5.773	300	ug/ml
Aliphatic C12-C16	6.792	10.243	1540706	10.13	200	ug/ml
Aliphatic C16-C21	10.244	13.622	7175036	48.96	300	ug/ml
Aliphatic C21-C28	13.623	17.293	8829155	61.98	400	ug/ml
Aliphatic C28-C40	17.294	22.207	13027937	102.109	600	ug/ml
Aliphatic EPH	3.148	22.207	31473200	228.952		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	4552096	27		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	3441017	28.34		ug/ml
Aliphatic C9-C28	3.148	17.293	18445263	126.843	1200	ug/ml