

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-363-47	SDG No.:	Q1534
Lab Sample ID:	Q1534-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
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
03/11/25 09:30	03/11/25 15:39	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.67		1	2.21	2.46	mg/kg FE052735.D
Aliphatic C9-C28	Aliphatic C9-C28	6.34		1	2.12	4.92	mg/kg FE052735.D
Total AliphaticEPH	Total AliphaticEPH	13.0			4.33	7.38	mg/kg
Total EPH	Total EPH	13.0			4.33	7.38	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
FE052735.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	6.34		2.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.67		2.21	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.2		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1534-04	Acq On:	11 Mar 2025 15:39
Client Sample ID:	OR-363-47	Operator:	YP\AJ
Data file:	FE052735.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	942666	6.045	300	ug/ml
Aliphatic C12-C16	6.792	10.243	1103565	7.256	200	ug/ml
Aliphatic C16-C21	10.244	13.622	3702236	25.263	300	ug/ml
Aliphatic C21-C28	13.623	17.293	5523239	38.773	400	ug/ml
Aliphatic C28-C40	17.294	22.207	10384611	81.391	600	ug/ml
Aliphatic EPH	3.148	22.207	21656317	158.727		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	4025982	23.88		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	2939380	24.21		ug/ml
Aliphatic C9-C28	3.148	17.293	11271706	77.337	1200	ug/ml