

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-363-55	SDG No.:	Q1534
Lab Sample ID:	Q1534-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.09	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 20:11	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.63		1	1.93	2.14	mg/kg	FE052743.D
Aliphatic C9-C28	Aliphatic C9-C28	4.29	U	1	1.84	4.29	mg/kg	FE052743.D
Total AliphaticEPH	Total AliphaticEPH	4.63	J		3.77	6.42	mg/kg	
Total EPH	Total EPH	4.63	J		3.77	6.42	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
FE052743.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	0.000	U	1.84	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.63		1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1534-21	Acq On:	11 Mar 2025 20:11
Client Sample ID:	OR-363-55	Operator:	YP\AJ
Data file:	FE052743.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	912713	5.853	300	ug/ml
Aliphatic C12-C16	6.792	10.243	589031	3.873	200	ug/ml
Aliphatic C16-C21	10.244	13.622	502832	3.431	300	ug/ml
Aliphatic C21-C28	13.623	17.293	1242093	8.719	400	ug/ml
Aliphatic C28-C40	17.294	22.207	8272466	64.837	600	ug/ml
Aliphatic EPH	3.148	22.207	11519135	86.713		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	5171284	30.67		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	3930433	32.37		ug/ml
Aliphatic C9-C28	3.148	17.293	3246669	21.876	1200	ug/ml