

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB170068BS	SDG No.:	Q3322
Lab Sample ID:	PB170068BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000uL
		Prep Date :	10/13/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	33.1		1	1.18	2.00	mg/kg	FE056303.D	10/13/25 14:30	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	100	E	1	0.91	3.99	mg/kg	FE056303.D	10/13/25 14:30	PB170068
Total AliphaticEPH	Total AliphaticEPH	133			2.09	5.99	mg/kg			
Total EPH	Total EPH	133			2.09	5.99	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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Lab Sample ID:	PB170068BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03      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
FE056303.D	1	10/13/25	10/13/25	PB170068

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	100	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.1		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	43.5		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170068BS	Acq On:	13 Oct 2025 14:30
Client Sample ID:	PB170068BS	Operator:	YP\AJ
Data file:	FE056303.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.939	34844213	248.838	300	ug/ml
Aliphatic C12-C16	6.940	10.389	55091682	359.192	200	ug/ml
Aliphatic C16-C21	10.390	13.768	62782381	378.481	300	ug/ml
Aliphatic C21-C28	13.769	17.439	76800311	517.079	400	ug/ml
Aliphatic C28-C40	17.440	22.444	67745197	497.205	600	ug/ml
Aliphatic EPH	3.303	22.444	297263784	2000		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	7792682	41.53		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	6075186	43.53		ug/ml
Aliphatic C9-C28	3.303	17.439	229518587	1500	1200	ug/ml