

## Report of Analysis

Client:	PSEG	Date Collected:	10/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/09/25
Client Sample ID:	OR-02-100925	SDG No.:	Q3322
Lab Sample ID:	Q3322-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.04 g	Final Vol:	2000uL
Prep Method :		Prep Date :	10/13/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	40.2		1	1.27	2.15	mg/kg	FE056305.D	10/13/25 15:31	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	25.8		1	0.98	4.29	mg/kg	FE056305.D	10/13/25 15:31	PB170068
Total AliphaticEPH	Total AliphaticEPH	66.0			2.25	6.44	mg/kg			
Total EPH	Total EPH	66.0			2.25	6.44	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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<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	25.8	1		0.98	4.29	mg/kg	10/13/25	PB170068
Aliphatic C28-C40	Aliphatic C28-C40	40.2	1		1.27	2.15	mg/kg	10/13/25	PB170068
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	40.3			40 - 140	81%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.0			40 - 140	68%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3322-01	Acq On:	13 Oct 2025 15:31
Client Sample ID:	OR-02-100925	Operator:	YP\AJ
Data file:	FE056305.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	3.303	6.939	570201	4.072	300	ug/ml
Aliphatic C12-C16	6.940	10.389	3540093	23.081	200	ug/ml
Aliphatic C16-C21	10.390	13.768	18892808	113.895	300	ug/ml
Aliphatic C21-C28	13.769	17.439	32656947	219.872	400	ug/ml
Aliphatic C28-C40	17.440	22.444	76476954	561.291	600	ug/ml
Aliphatic EPH	3.303	22.444	132137003	922.21		ug/ml
ortho-Terphenyl (SURR)	12.067	12.067	6382001	34.01		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	5622563	40.29		ug/ml
Aliphatic C9-C28	3.303	17.439	55660049	360.92	1200	ug/ml