

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-E2	SDG No.:	Q3322
Lab Sample ID:	Q3322-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.07 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	64.5		5	6.27	10.6	mg/kg	FE056320.D	10/14/25 9:45	PB170068
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	0.97	4.25	mg/kg	FE056309.D	10/13/25 17:33	PB170068
Total AliphaticEPH	Total AliphaticEPH	74.7			7.24	14.8	mg/kg			
Total EPH	Total EPH	74.7			7.24	14.8	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	0.97	4.25	mg/kg	10/13/25	PB170068
Aliphatic C28-C40	Aliphatic C28-C40	71.3	E	1	1.25	2.12	mg/kg	10/13/25	PB170068
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.8			40 - 140	76%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.0			40 - 140	70%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3322-02	Acq On:	13 Oct 2025 17:33
Client Sample ID:	OR-02-100925-E2	Operator:	YP\AJ
Data file:	FE056309.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.939	730639	5.218	300	ug/ml
Aliphatic C12-C16	6.940	10.389	1993248	12.996	200	ug/ml
Aliphatic C16-C21	10.390	13.768	10443418	62.958	300	ug/ml
Aliphatic C21-C28	13.769	17.439	9306074	62.656	400	ug/ml
Aliphatic C28-C40	17.440	22.444	137107655	1010	600	ug/ml
Aliphatic EPH	3.303	22.444	159581034	1150		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	6573442	35.03		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	5269901	37.76		ug/ml
Aliphatic C9-C28	3.303	17.439	22473379	143.828	1200	ug/ml