

Report of Analysis

Client:	PSEG	Date Collected:	12/08/25
Project:	Oradell Gas and Appliance Service (OR)	Date Received:	12/08/25
Client Sample ID:	OR-02-120825-E2	SDG No.:	Q3812
Lab Sample ID:	Q3812-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/09/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	29.9		1	1.29	2.19	mg/kg	FE057251.D	12/09/25 17:26	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	39.9		1	1.00	4.39	mg/kg	FE057251.D	12/09/25 17:26	PB170876
Total AliphaticEPH	Total AliphaticEPH	69.8			2.29	6.58	mg/kg			
Total EPH	Total EPH	69.8			2.29	6.58	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	39.9	1		1.00	4.39	mg/kg	12/09/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	29.9	1		1.29	2.19	mg/kg	12/09/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.9			40 - 140	66%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.8			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3812-02	Acq On:	09 Dec 2025 17:26
Client Sample ID:	OR-02-120825-E2	Operator:	YP\AJ
Data file:	FE057251.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	1245594	6.208	300	ug/ml
Aliphatic C12-C16	6.819	10.263	9904815	48.75	200	ug/ml
Aliphatic C16-C21	10.264	13.636	48731676	245.728	300	ug/ml
Aliphatic C21-C28	13.637	17.304	48559959	244.33	400	ug/ml
Aliphatic C28-C40	17.305	22.230	81626711	408.338	600	ug/ml
Aliphatic EPH	3.193	22.230	190068755	953.353		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	6529545	29.76		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	5482749	32.94		ug/ml
Aliphatic C9-C28	3.193	17.304	108442044	545.016	1200	ug/ml