

Report of Analysis

Client:	PSEG	Date Collected:	12/12/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	12/12/25
Client Sample ID:	EO-03-121225-E2	SDG No.:	Q3861
Lab Sample ID:	Q3861-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 12/15/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	80.4		10	12.7	21.6	mg/kg	FE057360.D	12/16/25 10:10	PB170942
Aliphatic C9-C28	Aliphatic C9-C28	28.7		1	0.98	4.32	mg/kg	FE057340.D	12/15/25 17:23	PB170942
Total AliphaticEPH	Total AliphaticEPH	109			13.7	25.9	mg/kg			
Total EPH	Total EPH	109			13.7	25.9	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	28.7		1	0.98	4.32	mg/kg	12/15/25	PB170942
Aliphatic C28-C40	Aliphatic C28-C40	73.3	E	1	1.27	2.16	mg/kg	12/15/25	PB170942
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.0			40 - 140	66%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.0			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3861-02	Acq On:	15 Dec 2025 17:23
Client Sample ID:	EO-03-121225-E2	Operator:	YP\AJ
Data file:	FE057340.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	3.189	6.813	4006153	19.965	300	ug/ml
Aliphatic C12-C16	6.814	10.257	20706339	101.913	200	ug/ml
Aliphatic C16-C21	10.258	13.629	29630357	149.41	300	ug/ml
Aliphatic C21-C28	13.630	17.298	25230572	126.948	400	ug/ml
Aliphatic C28-C40	17.299	22.217	203673958	1020	600	ug/ml
Aliphatic EPH	3.189	22.217	283247379	1420		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	6577820	29.98		ug/ml
1-chlorooctadecane (SURR)	13.367	13.367	5492181	33		ug/ml
Aliphatic C9-C28	3.189	17.298	79573421	398.236	1200	ug/ml