

Report of Analysis

Client:	PSEG	Date Collected:	10/31/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	10/31/25
Client Sample ID:	EO-02-103125-E2	SDG No.:	Q3520
Lab Sample ID:	Q3520-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/03/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	104		5	6.38	10.8	mg/kg	FE056661.D	11/04/25 10:50	PB170373
Aliphatic C9-C28	Aliphatic C9-C28	18.0		1	0.98	4.32	mg/kg	FE056649.D	11/03/25 21:59	PB170373
Total AliphaticEPH	Total AliphaticEPH	122			7.36	15.1	mg/kg			
Total EPH	Total EPH	122			7.36	15.1	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	18.0	1		0.98	4.32	mg/kg	11/03/25	PB170373
Aliphatic C28-C40	Aliphatic C28-C40	89.9	E 1		1.28	2.16	mg/kg	11/03/25	PB170373
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.5			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.4			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3520-02	Acq On:	03 Nov 2025 21:59
Client Sample ID:	EO-02-103125-E2	Operator:	YP\AJ
Data file:	FE056649.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.222	6.847	4754680	27.779	300	ug/ml
Aliphatic C12-C16	6.848	10.294	19946047	111.584	200	ug/ml
Aliphatic C16-C21	10.295	13.669	13024364	69.834	300	ug/ml
Aliphatic C21-C28	13.670	17.339	7801125	40.469	400	ug/ml
Aliphatic C28-C40	17.340	22.280	198690032	1250	600	ug/ml
Aliphatic EPH	3.222	22.280	244216248	1500		ug/ml
ortho-Terphenyl (SURR)	11.976	11.976	5526325	26.45		ug/ml
1-chlorooctadecane (SURR)	13.417	13.417	4920876	30.54		ug/ml
Aliphatic C9-C28	3.222	17.339	45526216	249.666	1200	ug/ml