

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	SDG No.:	Q3520
Lab Sample ID:	Q3520-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.08 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	95.3		5	6.46	10.9	mg/kg	FE056660.D	11/04/25 10:20	PB170373
Aliphatic C9-C28	Aliphatic C9-C28	26.7		1	1.00	4.37	mg/kg	FE056648.D	11/03/25 21:29	PB170373
Total AliphaticEPH	Total AliphaticEPH	122			7.46	15.3	mg/kg			
Total EPH	Total EPH	122			7.46	15.3	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	26.7		1	1.00	4.37	mg/kg	11/03/25	PB170373
Aliphatic C28-C40	Aliphatic C28-C40	86.1	E	1	1.29	2.19	mg/kg	11/03/25	PB170373
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.3			40 - 140	67%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.7			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3520-01	Acq On:	03 Nov 2025 21:29
Client Sample ID:	EO-02-103125	Operator:	YP\AJ
Data file:	FE056648.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.222	6.847	4806795	28.083	300	ug/ml
Aliphatic C12-C16	6.848	10.294	23941517	133.935	200	ug/ml
Aliphatic C16-C21	10.295	13.669	22757761	122.022	300	ug/ml
Aliphatic C21-C28	13.670	17.339	15785824	81.891	400	ug/ml
Aliphatic C28-C40	17.340	22.280	187943410	1180	600	ug/ml
Aliphatic EPH	3.222	22.280	255235307	1550		ug/ml
ortho-Terphenyl (SURR)	11.975	11.975	4749816	22.74		ug/ml
1-chlorooctadecane (SURR)	13.414	13.414	5358816	33.26		ug/ml
Aliphatic C9-C28	3.222	17.339	67291897	365.931	1200	ug/ml