

Report of Analysis

Client:	PSEG	Date Collected:	11/06/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	11/06/25
Client Sample ID:	EO-03-110625-E2	SDG No.:	Q3562
Lab Sample ID:	Q3562-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	51.5		5	6.45	10.9	mg/kg	FE056713.D	11/10/25 15:07	PB170458
Aliphatic C9-C28	Aliphatic C9-C28	6.32		1	0.99	4.37	mg/kg	FE056710.D	11/10/25 13:37	PB170458
Total AliphaticEPH	Total AliphaticEPH	57.8			7.44	15.3	mg/kg			
Total EPH	Total EPH	57.8			7.44	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	6.32	1		0.99	4.37	mg/kg	11/10/25	PB170458
Aliphatic C28-C40	Aliphatic C28-C40	68.0	E 1		1.29	2.19	mg/kg	11/10/25	PB170458
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.1			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.0			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3562-02	Acq On:	10 Nov 2025 13:37
Client Sample ID:	EO-03-110625-E2	Operator:	YP\AJ
Data file:	FE056710.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.846	1759161	10.278	300	ug/ml
Aliphatic C12-C16	6.847	10.294	6937852	38.812	200	ug/ml
Aliphatic C16-C21	10.295	13.670	1672662	8.968	300	ug/ml
Aliphatic C21-C28	13.671	17.342	5520232	28.637	400	ug/ml
Aliphatic C28-C40	17.343	22.288	148744683	933.654	600	ug/ml
Aliphatic EPH	3.221	22.288	164634590	1020		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	5424886	25.97		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	4203529	26.09		ug/ml
Aliphatic C9-C28	3.221	17.342	15889907	86.695	1200	ug/ml