

Report of Analysis

Client:	PSEG	Date Collected:	08/14/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	08/14/25
Client Sample ID:	EO-02-08142025-E2	SDG No.:	Q2877
Lab Sample ID:	Q2877-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/15/25 09:30	08/16/25 1:32	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1	1.23	2.08	mg/kg	FE055346.D
Aliphatic C9-C28	Aliphatic C9-C28	12.7		1	0.95	4.17	mg/kg	FE055346.D
Total AliphaticEPH	Total AliphaticEPH	42.4			2.18	6.25	mg/kg	
Total EPH	Total EPH	42.4			2.18	6.25	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055346.D	1	08/15/25	08/16/25	PB169265

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.7		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.4		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.2		40 - 140	46%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2877-02	Acq On:	16 Aug 2025 01:32
Client Sample ID:	EO-02-08142025-E2	Operator:	YP\AJ
Data file:	FE055346.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	3815713	32.674	300	ug/ml
Aliphatic C12-C16	6.955	10.407	11750532	93.834	200	ug/ml
Aliphatic C16-C21	10.408	13.785	3438476	27.202	300	ug/ml
Aliphatic C21-C28	13.786	17.458	3424640	28.419	400	ug/ml
Aliphatic C28-C40	17.459	22.482	48762709	427.791	600	ug/ml
Aliphatic EPH	3.321	22.482	71192070	609.92		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	3315865	23.22		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	2629356	24.45		ug/ml
Aliphatic C9-C28	3.321	17.458	22429361	182.129	1200	ug/ml