

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	SDG No.:	Q2877
Lab Sample ID:	Q2877-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.06 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 1:02	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	1.24	2.10	mg/kg	FE055345.D
Aliphatic C9-C28	Aliphatic C9-C28	25.8		1	0.96	4.20	mg/kg	FE055345.D
Total AliphaticEPH	Total AliphaticEPH	52.4			2.20	6.30	mg/kg	
Total EPH	Total EPH	52.4			2.20	6.30	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055345.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	25.8		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.2		40 - 140	46%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2877-01	Acq On:	16 Aug 2025 01:02
Client Sample ID:	EO-02-08142025	Operator:	YP\AJ
Data file:	FE055345.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	3120356	26.719	300	ug/ml
Aliphatic C12-C16	6.955	10.407	11296136	90.205	200	ug/ml
Aliphatic C16-C21	10.408	13.785	15451117	122.235	300	ug/ml
Aliphatic C21-C28	13.786	17.458	15516691	128.763	400	ug/ml
Aliphatic C28-C40	17.459	22.482	43241582	379.355	600	ug/ml
Aliphatic EPH	3.321	22.482	88625882	747.278		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	3312929	23.2		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	3368279	31.33		ug/ml
Aliphatic C9-C28	3.321	17.458	45384300	367.922	1200	ug/ml