

Report of Analysis

Client:	PSEG	Date Collected:	09/04/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/04/25
Client Sample ID:	EO-02-09042025	SDG No.:	Q3026
Lab Sample ID:	Q3026-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/05/25 09:30	09/08/25 11:43	PB169567

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	131		5	6.44	10.9	mg/kg	FE055713.D
Aliphatic C9-C28	Aliphatic C9-C28	58.8		1	0.99	4.37	mg/kg	FE055701.D
Total AliphaticEPH	Total AliphaticEPH	190			7.43	15.3	mg/kg	
Total EPH	Total EPH	190			7.43	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055701.D	1	09/05/25	09/05/25	PB169567

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	58.8		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	123	E	1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3026-01	Acq On:	05 Sep 2025 21:13
Client Sample ID:	EO-02-09042025	Operator:	YP\AJ
Data file:	FE055701.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	5725845	44.592	300	ug/ml
Aliphatic C12-C16	6.946	10.397	33164097	245.487	200	ug/ml
Aliphatic C16-C21	10.398	13.775	36119121	250.449	300	ug/ml
Aliphatic C21-C28	13.776	17.446	38358748	267.802	400	ug/ml
Aliphatic C28-C40	17.447	22.456	233897621	1700	600	ug/ml
Aliphatic EPH	3.311	22.456	347265432	2510		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	4920628	29.95		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4656602	37.24		ug/ml
Aliphatic C9-C28	3.311	17.446	113367811	808.33	1200	ug/ml