

## Report of Analysis

Client:	PSEG	Date Collected:	09/16/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/16/25
Client Sample ID:	EO-01-091625-E2	SDG No.:	Q3118
Lab Sample ID:	Q3118-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.03      Units: g	Final Vol:	2000      uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/17/25 09:40	09/17/25 19:41	PB169727

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Aliphatic C28-C40	Aliphatic C28-C40	42.5		1	1.29	2.19	mg/kg FE055883.D
Aliphatic C9-C28	Aliphatic C9-C28	8.11		1	0.99	4.37	mg/kg FE055883.D
Total AliphaticEPH	Total AliphaticEPH	50.6			2.28	6.56	mg/kg
Total EPH	Total EPH	50.6			2.28	6.56	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055883.D	1	09/17/25	09/17/25	PB169727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	8.11		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.5		1.29	2.19	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3118-02	Acq On:	17 Sep 2025 19:41
Client Sample ID:	EO-01-091625-E2	Operator:	YP\AJ
Data file:	FE055883.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	484873	3.776	300	ug/ml
Aliphatic C12-C16	6.946	10.397	2527637	18.71	200	ug/ml
Aliphatic C16-C21	10.398	13.776	5142613	35.659	300	ug/ml
Aliphatic C21-C28	13.777	17.448	7611637	53.141	400	ug/ml
Aliphatic C28-C40	17.449	22.462	80332062	583.301	600	ug/ml
Aliphatic EPH	3.311	22.462	96098822	694.587		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5611102	34.15		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4470391	35.75		ug/ml
Aliphatic C9-C28	3.311	17.448	15766760	111.286	1200	ug/ml