

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	08/29/25
Client Sample ID:	EO-01-082925-E2	SDG No.:	Q2997
Lab Sample ID:	Q2997-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
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
09/02/25 10:30	09/03/25 10:21	PB169491

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	230		10	12.9	21.9	mg/kg	FE055630.D
Aliphatic C9-C28	Aliphatic C9-C28	225		10	9.95	43.7	mg/kg	FE055630.D
Total AliphaticEPH	Total AliphaticEPH	455			22.9	65.6	mg/kg	
Total EPH	Total EPH	455			22.9	65.6	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

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	08/29/25
Client Sample ID:	EO-01-082925-E2	SDG No.:	Q2997
Lab Sample ID:	Q2997-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055629.D	1	09/02/25	09/03/25	PB169491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	209	E	1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	186	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2997-02	Acq On:	03 Sep 2025 09:50
Client Sample ID:	EO-01-082925-E2	Operator:	YP\AJ
Data file:	FE055629.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	95760343	819.988	300	ug/ml
Aliphatic C12-C16	6.949	10.401	205832800	1640	200	ug/ml
Aliphatic C16-C21	10.402	13.781	30859749	244.134	300	ug/ml
Aliphatic C21-C28	13.782	17.452	20677840	171.592	400	ug/ml
Aliphatic C28-C40	17.453	22.470	290899525	2550	600	ug/ml
Aliphatic EPH	3.314	22.470	644030257	5430		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	4190691	25.51		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	3523102	28.17		ug/ml
Aliphatic C9-C28	3.314	17.452	353130732	2880	1200	ug/ml