

Report of Analysis

Client:	PSEG	Date Collected:	10/06/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	10/06/25
Client Sample ID:	EO-02-10062025	SDG No.:	Q3295
Lab Sample ID:	Q3295-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
10/07/25 08:00	10/08/25 10:46	PB170001

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.7		2	2.69	4.56	mg/kg	FG016776.D
Aliphatic C9-C28	Aliphatic C9-C28	63.1		1	1.04	4.56	mg/kg	FG016764.D
Total AliphaticEPH	Total AliphaticEPH	113			3.73	9.12	mg/kg	
Total EPH	Total EPH	113			3.73	9.12	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:	10/06/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	10/06/25
Client Sample ID:	EO-02-10062025	SDG No.:	Q3295
Lab Sample ID:	Q3295-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.03 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
FG016764.D	1	10/07/25	10/07/25	PB170001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	63.1		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.2	E	1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.3		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3295-03	Acq On:	07 Oct 2025 16:13
Client Sample ID:	EO-02-10062025	Operator:	YP\AJ
Data file:	FG016764.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.271	6.913	699509	5.544	300	ug/ml
Aliphatic C12-C16	6.914	10.374	3571686	27.522	200	ug/ml
Aliphatic C16-C21	10.375	13.763	52663466	375.507	300	ug/ml
Aliphatic C21-C28	13.764	17.448	61928680	422.435	400	ug/ml
Aliphatic C28-C40	17.449	22.476	82345267	713.244	600	ug/ml
Aliphatic EPH	3.271	22.476	201208608	1540		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	4267925	27.33		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	4949835	40.47		ug/ml
Aliphatic C9-C28	3.271	17.448	118863341	831.008	1200	ug/ml