

Report of Analysis

Client:	PSEG	Date Collected:	06/12/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/12/25
Client Sample ID:	EO-02-06122025	SDG No.:	Q2308
Lab Sample ID:	Q2308-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
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
06/13/25 09:00	06/13/25 17:18	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	137		10	13.0	22.1	mg/kg	FC069213.D
Aliphatic C9-C28	Aliphatic C9-C28	55.1		1	1.01	4.43	mg/kg	FC069211.D
Total AliphaticEPH	Total AliphaticEPH	192			14.0	26.5	mg/kg	
Total EPH	Total EPH	192			14.0	26.5	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:	06/12/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/12/25
Client Sample ID:	EO-02-06122025	SDG No.:	Q2308
Lab Sample ID:	Q2308-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
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
FC069211.D	1	06/13/25	06/13/25	PB168463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	55.1		1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	124	E	1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2308-01	Acq On:	13 Jun 2025 15:57
Client Sample ID:	EO-02-06122025	Operator:	YP/AJ
Data file:	FC069211.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	12888611	121.916	300	ug/ml
Aliphatic C12-C16	6.606	10.008	23161263	227.104	200	ug/ml
Aliphatic C16-C21	10.009	13.378	15047075	153.753	300	ug/ml
Aliphatic C21-C28	13.379	17.045	23095182	246.207	400	ug/ml
Aliphatic C28-C40	17.046	22.029	158981468	1680	600	ug/ml
Aliphatic EPH	3.303	22.029	233173599	2430		ug/ml
ortho-Terphenyl (SURR)	11.681	11.681	3490975	28.3		ug/ml
1-chlorooctadecane (SURR)	13.117	13.117	2990995	33.34		ug/ml
Aliphatic C9-C28	3.303	17.045	74192131	748.98	1200	ug/ml