

Report of Analysis

Client:	PSEG	Date Collected:	05/05/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/05/25
Client Sample ID:	EO-01-050525-E2	SDG No.:	Q1961
Lab Sample ID:	Q1961-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:35	05/07/25 10:24	PB167876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	61.2		5	6.16	10.4	mg/kg	FE053686.D
Aliphatic C9-C28	Aliphatic C9-C28	9.31		1	0.95	4.17	mg/kg	FE053677.D
Total AliphaticEPH	Total AliphaticEPH	70.5			7.11	14.6	mg/kg	
Total EPH	Total EPH	70.5			7.11	14.6	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:	05/05/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/05/25
Client Sample ID:	EO-01-050525-E2	SDG No.:	Q1961
Lab Sample ID:	Q1961-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.7
Sample Wt/Vol:	30.04 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
FE053677.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.31		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	69.1	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1961-02	Acq On:	06 May 2025 19:33
Client Sample ID:	EO-01-050525-E2	Operator:	YP\AJ
Data file:	FE053677.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.752	506236	3.653	300	ug/ml
Aliphatic C12-C16	6.753	10.201	2846653	20.074	200	ug/ml
Aliphatic C16-C21	10.202	13.575	4266817	29.353	300	ug/ml
Aliphatic C21-C28	13.576	17.244	11485734	80.786	400	ug/ml
Aliphatic C28-C40	17.245	22.131	128142446	992.974	600	ug/ml
Aliphatic EPH	3.110	22.131	147247886	1130		ug/ml
ortho-Terphenyl (SURR)	11.863	11.863	4752950	26.35		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	3853782	28.51		ug/ml
Aliphatic C9-C28	3.110	17.244	19105440	133.866	1200	ug/ml