

Report of Analysis

Client:	PSEG	Date Collected:	07/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	07/25/25
Client Sample ID:	EO-03-072525	SDG No.:	Q2700
Lab Sample ID:	Q2700-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/28/25 09:00	07/29/25 10:08	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	226		10	12.4	21.0	mg/kg FE055060.D
Aliphatic C9-C28	Aliphatic C9-C28	291		10	9.54	42.0	mg/kg FE055060.D
Total AliphaticEPH	Total AliphaticEPH	517			21.9	63.0	mg/kg
Total EPH	Total EPH	517			21.9	63.0	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:	07/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	07/25/25
Client Sample ID:	EO-03-072525	SDG No.:	Q2700
Lab Sample ID:	Q2700-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.06 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
FE055047.D	1	07/28/25	07/28/25	PB169021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	289	E	0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	187	E	1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.1		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2700-01	Acq On:	28 Jul 2025 14:49
Client Sample ID:	EO-03-072525	Operator:	YP\AJ
Data file:	FE055047.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	3.324	6.959	121439331	979.542	300	ug/ml
Aliphatic C12-C16	6.960	10.413	333282812	2510	200	ug/ml
Aliphatic C16-C21	10.414	13.792	52626341	401.314	300	ug/ml
Aliphatic C21-C28	13.793	17.462	30807886	246.945	400	ug/ml
Aliphatic C28-C40	17.463	22.490	323624749	2690	600	ug/ml
Aliphatic EPH	3.324	22.490	861781119	6820		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	3565081	24.08		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3606141	32.2		ug/ml
Aliphatic C9-C28	3.324	17.462	538156370	4140	1200	ug/ml