

Report of Analysis

Client:	PSEG	Date Collected:	09/04/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/04/25
Client Sample ID:	EO-02-09042025-E2	SDG No.:	Q3026
Lab Sample ID:	Q3026-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/05/25 09:30	09/08/25 12:14	PB169567

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	134		5	6.50	11.0	mg/kg	FE055714.D
Aliphatic C9-C28	Aliphatic C9-C28	37.2		1	1.00	4.41	mg/kg	FE055702.D
Total AliphaticEPH	Total AliphaticEPH	171			7.50	15.4	mg/kg	
Total EPH	Total EPH	171			7.50	15.4	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:	09/04/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/04/25
Client Sample ID:	EO-02-09042025-E2	SDG No.:	Q3026
Lab Sample ID:	Q3026-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.08 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
FE055702.D	1	09/05/25	09/05/25	PB169567

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	37.2		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	123	E	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3026-02	Acq On:	05 Sep 2025 21:44
Client Sample ID:	EO-02-09042025-E2	Operator:	YP\AJ
Data file:	FE055702.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	4081097	31.783	300	ug/ml
Aliphatic C12-C16	6.946	10.397	19509063	144.41	200	ug/ml
Aliphatic C16-C21	10.398	13.775	20386182	141.357	300	ug/ml
Aliphatic C21-C28	13.776	17.446	27013731	188.596	400	ug/ml
Aliphatic C28-C40	17.447	22.456	230771760	1680	600	ug/ml
Aliphatic EPH	3.311	22.456	301761833	2180		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	4823383	29.36		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4216714	33.72		ug/ml
Aliphatic C9-C28	3.311	17.446	70990073	506.146	1200	ug/ml