

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/25/25
Client Sample ID:	EO-3-6-25-2025	SDG No.:	Q2419
Lab Sample ID:	Q2419-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:50	06/27/25 11:04	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	52.2		2	2.53	4.30	mg/kg FC069315.D
Aliphatic C9-C28	Aliphatic C9-C28	65.8		1	0.98	4.29	mg/kg FC069293.D
Total AliphaticEPH	Total AliphaticEPH	118			3.51	8.59	mg/kg
Total EPH	Total EPH	118			3.51	8.59	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:	06/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/25/25
Client Sample ID:	EO-3-6-25-2025	SDG No.:	Q2419
Lab Sample ID:	Q2419-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.01 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
FC069293.D	1	06/26/25	06/26/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	65.8		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	53.1	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.5		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2419-01	Acq On:	26 Jun 2025 16:21
Client Sample ID:	EO-03-06252025	Operator:	YP/AJ
Data file:	FC069293.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	47454404	323.524	300	ug/ml
Aliphatic C12-C16	6.605	10.008	67807675	425.899	200	ug/ml
Aliphatic C16-C21	10.009	13.377	12356492	80.011	300	ug/ml
Aliphatic C21-C28	13.378	17.043	11945576	89.168	400	ug/ml
Aliphatic C28-C40	17.044	22.026	68395792	742.428	600	ug/ml
Aliphatic EPH	3.305	22.026	207959939	1660		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	4339153	25.12		ug/ml
1-chlorooctadecane (SURR)	13.112	13.112	3463358	26.51		ug/ml
Aliphatic C9-C28	3.305	17.043	139564147	918.602	1200	ug/ml