

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-E2	SDG No.:	Q2308
Lab Sample ID:	Q2308-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
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
06/13/25 09:00	06/13/25 17:59	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	129		10	12.9	21.9	mg/kg	FC069214.D
Aliphatic C9-C28	Aliphatic C9-C28	33.5		1	1.00	4.39	mg/kg	FC069212.D
Total AliphaticEPH	Total AliphaticEPH	163			13.9	26.3	mg/kg	
Total EPH	Total EPH	163			13.9	26.3	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

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069212.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	33.5		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2308-02	Acq On:	13 Jun 2025 16:38
Client Sample ID:	EO-02-06122025-E2	Operator:	YP/AJ
Data file:	FC069212.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	3.303	6.605	9497237	89.836	300	ug/ml
Aliphatic C12-C16	6.606	10.008	21721639	212.988	200	ug/ml
Aliphatic C16-C21	10.009	13.378	8554800	87.414	300	ug/ml
Aliphatic C21-C28	13.379	17.045	6371671	67.925	400	ug/ml
Aliphatic C28-C40	17.046	22.029	137588873	1460	600	ug/ml
Aliphatic EPH	3.303	22.029	183734220	1920		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	3089793	25.05		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	2431768	27.11		ug/ml
Aliphatic C9-C28	3.303	17.045	46145347	458.163	1200	ug/ml