

Report of Analysis

Client:	PSEG	Date Collected:	04/29/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/29/25
Client Sample ID:	EO-03-04292025-E2	SDG No.:	Q1911
Lab Sample ID:	Q1911-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
04/30/25 09:20	04/30/25 16:42	PB167797

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1	1.33	2.26	mg/kg	FE053590.D
Aliphatic C9-C28	Aliphatic C9-C28	17.0		1	1.03	4.51	mg/kg	FE053590.D
Total AliphaticEPH	Total AliphaticEPH	39.7			2.36	6.77	mg/kg	
Total EPH	Total EPH	39.7			2.36	6.77	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
FE053590.D	1	04/30/25	04/30/25	PB167797

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	17.0		1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1911-02	Acq On:	30 Apr 2025 16:42
Client Sample ID:	EO-03-04292025-E2	Operator:	YP\AJ
Data file:	FE053590.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	399468	2.883	300	ug/ml
Aliphatic C12-C16	6.757	10.205	2169766	15.301	200	ug/ml
Aliphatic C16-C21	10.206	13.580	10811697	74.377	300	ug/ml
Aliphatic C21-C28	13.581	17.248	18961586	133.368	400	ug/ml
Aliphatic C28-C40	17.249	22.137	39019245	302.359	600	ug/ml
Aliphatic EPH	3.114	22.137	71361762	528.288		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	4989977	27.67		ug/ml
1-chlorooctadecane (SURR)	13.313	13.313	4062515	30.05		ug/ml
Aliphatic C9-C28	3.114	17.248	32342517	225.929	1200	ug/ml