

Report of Analysis

Client:	PSEG	Date Collected:	10/06/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	10/06/25
Client Sample ID:	EO-01-10062025-E2	SDG No.:	Q3295
Lab Sample ID:	Q3295-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/07/25 08:00	10/08/25 10:17	PB170001

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	70.7		5	6.34	10.7	mg/kg	FG016775.D
Aliphatic C9-C28	Aliphatic C9-C28	39.2		1	0.98	4.29	mg/kg	FG016763.D
Total AliphaticEPH	Total AliphaticEPH	110			7.32	15.0	mg/kg	
Total EPH	Total EPH	110			7.32	15.0	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

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016763.D	1	10/07/25	10/07/25	PB170001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	39.2		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.0	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		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:	Q3295-02	Acq On:	07 Oct 2025 15:44
Client Sample ID:	EO-01-10062025-E2	Operator:	YP\AJ
Data file:	FG016763.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.271	6.913	12426512	98.494	300	ug/ml
Aliphatic C12-C16	6.914	10.374	43465059	334.927	200	ug/ml
Aliphatic C16-C21	10.375	13.763	9449066	67.375	300	ug/ml
Aliphatic C21-C28	13.764	17.448	6854901	46.759	400	ug/ml
Aliphatic C28-C40	17.449	22.476	124119048	1080	600	ug/ml
Aliphatic EPH	3.271	22.476	196314586	1620		ug/ml
ortho-Terphenyl (SURR)	12.055	12.055	4332203	27.74		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	3660476	29.93		ug/ml
Aliphatic C9-C28	3.271	17.448	72195538	547.555	1200	ug/ml