

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/09/25
Client Sample ID:	EO-02-05092025-E2	SDG No.:	Q2002
Lab Sample ID:	Q2002-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/13/25 10:53	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.1		2	2.68	4.54	mg/kg	FC068844.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	1.03	4.55	mg/kg	FC068834.D
Total AliphaticEPH	Total AliphaticEPH	59.2			3.71	9.09	mg/kg	
Total EPH	Total EPH	59.2			3.71	9.09	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
FC068834.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	50.3	E	1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	20.3		40 - 140	41%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	17.0		40 - 140	34%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2002-02	Acq On:	12 May 2025 17:37
Client Sample ID:	EO-02-05092025-E2	Operator:	YP/AJ
Data file:	FC068834.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.639	718725	7.25	300	ug/ml
Aliphatic C12-C16	6.640	10.038	1817078	19.971	200	ug/ml
Aliphatic C16-C21	10.039	13.403	3211234	37.444	300	ug/ml
Aliphatic C21-C28	13.404	17.066	5700614	68.607	400	ug/ml
Aliphatic C28-C40	17.067	22.059	56225553	664.426	600	ug/ml
Aliphatic EPH	3.340	22.059	67673204	797.699		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	1940748	17		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	1631858	20.34		ug/ml
Aliphatic C9-C28	3.340	17.066	11447651	133.272	1200	ug/ml