

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/04/25
Client Sample ID:	EO-01-06042025	SDG No.:	Q2224
Lab Sample ID:	Q2224-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
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
06/06/25 10:00	06/09/25 10:48	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	66.4		5	6.24	10.6	mg/kg FG015987.D
Aliphatic C9-C28	Aliphatic C9-C28	65.8		1	0.96	4.24	mg/kg FG015975.D
Total AliphaticEPH	Total AliphaticEPH	132			7.20	14.8	mg/kg
Total EPH	Total EPH	132			7.20	14.8	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015975.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	65.8		0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.8	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.6		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2224-01	Acq On:	06 Jun 2025 21:00
Client Sample ID:	EO-01-06042025	Operator:	YP\AJ
Data file:	FG015975.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	24509705	215.902	300	ug/ml
Aliphatic C12-C16	6.762	10.209	57523704	492.813	200	ug/ml
Aliphatic C16-C21	10.210	13.585	16008821	131.006	300	ug/ml
Aliphatic C21-C28	13.586	17.255	11186440	93.108	400	ug/ml
Aliphatic C28-C40	17.256	22.148	104484841	946.135	600	ug/ml
Aliphatic EPH	3.118	22.148	213713511	1880		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	4706431	31.61		ug/ml
1-chlorooctadecane (SURR)	13.317	13.317	4029733	34.98		ug/ml
Aliphatic C9-C28	3.118	17.255	109228670	932.829	1200	ug/ml