

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-E2	SDG No.:	Q2224
Lab Sample ID:	Q2224-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.08 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 11:17	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	81.0		5	6.55	11.1	mg/kg FG015988.D
Aliphatic C9-C28	Aliphatic C9-C28	46.3		1	1.01	4.44	mg/kg FG015976.D
Total AliphaticEPH	Total AliphaticEPH	127			7.56	15.5	mg/kg
Total EPH	Total EPH	127			7.56	15.5	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
FG015976.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	46.3		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.3	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2224-02	Acq On:	06 Jun 2025 21:30
Client Sample ID:	EO-01-06042025-E2	Operator:	YP\AJ
Data file:	FG015976.D	Misc:	
Instrument:	FID_G	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	11669600	102.796	300	ug/ml
Aliphatic C12-C16	6.762	10.209	39657316	339.75	200	ug/ml
Aliphatic C16-C21	10.210	13.585	14275970	116.825	300	ug/ml
Aliphatic C21-C28	13.586	17.255	7775038	64.714	400	ug/ml
Aliphatic C28-C40	17.256	22.148	121186188	1100	600	ug/ml
Aliphatic EPH	3.118	22.148	194564112	1720		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	5307422	35.65		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	4473899	38.84		ug/ml
Aliphatic C9-C28	3.118	17.255	73377924	624.085	1200	ug/ml