

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	01/07/25
Client Sample ID:	EO-03-010725-E2	SDG No.:	Q1027
Lab Sample ID:	Q1027-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/08/25 08:06	01/09/25 8:18	PB165974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	69.0		5	9.79	10.9	mg/kg FE051884.D
Aliphatic C9-C28	Aliphatic C9-C28	83.3		1	1.87	4.36	mg/kg FE051871.D
Total AliphaticEPH	Total AliphaticEPH	152			11.7	15.3	mg/kg
Total EPH	Total EPH	152			11.7	15.3	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
FE051871.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	83.3		1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	75.3	E	1.96	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	432		40 - 140	863%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.1		40 - 140	46%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1027-02	Acq On:	08 Jan 2025 17:16
Client Sample ID:	EO-03-010725-E2	Operator:	YP\AJ
Data file:	FE051871.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	5799875	50.924	300	ug/ml
Aliphatic C12-C16	7.025	10.452	23171876	186.969	200	ug/ml
Aliphatic C16-C21	10.453	13.814	93851071	710.874	300	ug/ml
Aliphatic C21-C28	13.815	17.470	26214253	200.119	400	ug/ml
Aliphatic C28-C40	17.471	22.484	113430129	1040	600	ug/ml
Aliphatic EPH	3.428	22.484	262467204	2190		ug/ml
ortho-Terphenyl (SURR)	12.140	12.140	3356068	23.15		ug/ml
1-chlorooctadecane (SURR)	13.576	13.576	49588487	431.54		ug/ml
Aliphatic C9-C28	3.428	17.470	149037075	1150	1200	ug/ml