

Report of Analysis

Client:	PSEG	Date Collected:	08/06/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	08/06/25
Client Sample ID:	EO-01-080625	SDG No.:	Q2784
Lab Sample ID:	Q2784-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/07/25 08:00	08/08/25 8:20	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	124		5	6.30	10.7	mg/kg FE055200.D
Aliphatic C9-C28	Aliphatic C9-C28	129		5	4.86	21.4	mg/kg FE055200.D
Total AliphaticEPH	Total AliphaticEPH	253			11.2	32.1	mg/kg
Total EPH	Total EPH	253			11.2	32.1	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
FE055185.D	1	08/07/25	08/07/25	PB169156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	118	E	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	123	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2784-01	Acq On:	07 Aug 2025 18:58
Client Sample ID:	EO-01-080625	Operator:	YP\AJ
Data file:	FE055185.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.957	37754848	323.292	300	ug/ml
Aliphatic C12-C16	6.958	10.409	126996210	1010	200	ug/ml
Aliphatic C16-C21	10.410	13.787	28210259	223.174	300	ug/ml
Aliphatic C21-C28	13.788	17.458	11443854	94.965	400	ug/ml
Aliphatic C28-C40	17.459	22.480	197529210	1730	600	ug/ml
Aliphatic EPH	3.324	22.480	401934381	3390		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4760432	33.34		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3844734	35.76		ug/ml
Aliphatic C9-C28	3.324	17.458	204405171	1660	1200	ug/ml