

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-E2	SDG No.:	Q2784
Lab Sample ID:	Q2784-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.04 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 9:13	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	65.5		2	2.53	4.30	mg/kg	FE055201.D
Aliphatic C9-C28	Aliphatic C9-C28	11.7		1	0.98	4.29	mg/kg	FE055186.D
Total AliphaticEPH	Total AliphaticEPH	77.2			3.51	8.59	mg/kg	
Total EPH	Total EPH	77.2			3.51	8.59	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
FE055186.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	11.7		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.2	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.2		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2784-02	Acq On:	07 Aug 2025 19:28
Client Sample ID:	EO-01-080625-E2	Operator:	YP\AJ
Data file:	FE055186.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.957	2455638	21.027	300	ug/ml
Aliphatic C12-C16	6.958	10.409	7096901	56.672	200	ug/ml
Aliphatic C16-C21	10.410	13.787	4236941	33.519	300	ug/ml
Aliphatic C21-C28	13.788	17.458	6313264	52.39	400	ug/ml
Aliphatic C28-C40	17.459	22.480	100656224	883.049	600	ug/ml
Aliphatic EPH	3.324	22.480	120758968	1050		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	4742575	33.21		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3707962	34.48		ug/ml
Aliphatic C9-C28	3.324	17.458	20102744	163.608	1200	ug/ml