

Report of Analysis

Client:	PSEG	Date Collected:	07/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	07/25/25
Client Sample ID:	EO-03-072525-E2	SDG No.:	Q2700
Lab Sample ID:	Q2700-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/28/25 09:00	07/29/25 10:38	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	241		10	12.5	21.2	mg/kg	FE055061.D
Aliphatic C9-C28	Aliphatic C9-C28	285		10	9.63	42.4	mg/kg	FE055061.D
Total AliphaticEPH	Total AliphaticEPH	526			22.1	63.6	mg/kg	
Total EPH	Total EPH	526			22.1	63.6	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
FE055048.D	1	07/28/25	07/28/25	PB169021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	268	E	0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	258	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2700-02	Acq On:	28 Jul 2025 15:19
Client Sample ID:	EO-03-072525-E2	Operator:	YP\AJ
Data file:	FE055048.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.959	113665307	916.836	300	ug/ml
Aliphatic C12-C16	6.960	10.413	279023102	2100	200	ug/ml
Aliphatic C16-C21	10.414	13.792	57542974	438.807	300	ug/ml
Aliphatic C21-C28	13.793	17.462	42310596	339.147	400	ug/ml
Aliphatic C28-C40	17.463	22.490	440585063	3660	600	ug/ml
Aliphatic EPH	3.324	22.490	933127042	7450		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	3876641	26.19		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	4580533	40.9		ug/ml
Aliphatic C9-C28	3.324	17.462	492541979	3790	1200	ug/ml