

Report of Analysis

Client:	PSEG	Date Collected:	03/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	03/25/25
Client Sample ID:	EO-02-032525	SDG No.:	Q1637
Lab Sample ID:	Q1637-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/26/25 09:45	03/27/25 9:20	PB167323

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	72.0		5	6.54	11.1	mg/kg	FE053011.D
Aliphatic C9-C28	Aliphatic C9-C28	88.0		1	1.01	4.44	mg/kg	FE053003.D
Total AliphaticEPH	Total AliphaticEPH	160			7.55	15.5	mg/kg	
Total EPH	Total EPH	160			7.55	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053003.D	1	03/26/25	03/27/25	PB167323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	88.0		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.0	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1637-03	Acq On:	27 Mar 2025 03:35
Client Sample ID:	EO-02-032525	Operator:	YP\AJ
Data file:	FE053003.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	46535123	298.401	300	ug/ml
Aliphatic C12-C16	6.792	10.245	100090512	658.064	200	ug/ml
Aliphatic C16-C21	10.246	13.624	20558347	140.284	300	ug/ml
Aliphatic C21-C28	13.625	17.297	13602009	95.485	400	ug/ml
Aliphatic C28-C40	17.298	22.217	113995823	893.46	600	ug/ml
Aliphatic EPH	3.147	22.217	294781814	2090		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	4364956	25.89		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	4036583	33.24		ug/ml
Aliphatic C9-C28	3.147	17.297	180785991	1190	1200	ug/ml