

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	EO-02-04222025-E2	SDG No.:	Q1853
Lab Sample ID:	Q1853-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/23/25 09:45	04/23/25 19:20	PB167712

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.7		1	1.38	2.34	mg/kg	FE053509.D
Aliphatic C9-C28	Aliphatic C9-C28	31.8		1	1.07	4.68	mg/kg	FE053509.D
Total AliphaticEPH	Total AliphaticEPH	69.5			2.45	7.02	mg/kg	
Total EPH	Total EPH	69.5			2.45	7.02	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
FE053509.D	1	04/23/25	04/23/25	PB167712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	31.8		1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.7		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1853-02	Acq On:	23 Apr 2025 19:20
Client Sample ID:	EO-02-04222025-E2	Operator:	YP\AJ
Data file:	FE053509.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.760	1074986	7.758	300	ug/ml
Aliphatic C12-C16	6.761	10.209	4029719	28.417	200	ug/ml
Aliphatic C16-C21	10.210	13.585	23888373	164.335	300	ug/ml
Aliphatic C21-C28	13.586	17.252	29529913	207.702	400	ug/ml
Aliphatic C28-C40	17.253	22.138	62295707	482.728	600	ug/ml
Aliphatic EPH	3.120	22.138	120818698	890.94		ug/ml
ortho-Terphenyl (SURR)	11.872	11.872	6467620	35.86		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	5177998	38.31		ug/ml
Aliphatic C9-C28	3.120	17.252	58522991	408.212	1200	ug/ml