

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	SDG No.:	Q1853
Lab Sample ID:	Q1853-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
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
04/23/25 09:45	04/23/25 18:49	PB167712

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.4		1	1.34	2.27	mg/kg FE053508.D
Aliphatic C9-C28	Aliphatic C9-C28	21.9		1	1.03	4.53	mg/kg FE053508.D
Total AliphaticEPH	Total AliphaticEPH	49.3			2.37	6.80	mg/kg
Total EPH	Total EPH	49.3			2.37	6.80	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
FE053508.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	21.9		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.4		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1853-01	Acq On:	23 Apr 2025 18:49
Client Sample ID:	EO-02-04222025	Operator:	YP\AJ
Data file:	FE053508.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.760	1413682	10.202	300	ug/ml
Aliphatic C12-C16	6.761	10.209	5758970	40.612	200	ug/ml
Aliphatic C16-C21	10.210	13.585	15302197	105.268	300	ug/ml
Aliphatic C21-C28	13.586	17.252	19041650	133.931	400	ug/ml
Aliphatic C28-C40	17.253	22.138	46715978	362.001	600	ug/ml
Aliphatic EPH	3.120	22.138	88232477	652.015		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	5580165	30.94		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	4328424	32.02		ug/ml
Aliphatic C9-C28	3.120	17.252	41516499	290.013	1200	ug/ml