

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-E2	SDG No.:	Q1637
Lab Sample ID:	Q1637-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07 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 9:50	PB167323

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	73.3		5	6.55	11.1	mg/kg FE053012.D
Aliphatic C9-C28	Aliphatic C9-C28	104		5	5.05	22.2	mg/kg FE053012.D
Total AliphaticEPH	Total AliphaticEPH	177			11.6	33.3	mg/kg
Total EPH	Total EPH	177			11.6	33.3	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
FE053004.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	94.6	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.8	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1637-04	Acq On:	27 Mar 2025 04:05
Client Sample ID:	EO-02-032525-E2	Operator:	YP\AJ
Data file:	FE053004.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	49897597	319.962	300	ug/ml
Aliphatic C12-C16	6.792	10.245	104896461	689.661	200	ug/ml
Aliphatic C16-C21	10.246	13.624	22587228	154.128	300	ug/ml
Aliphatic C21-C28	13.625	17.297	16195841	113.693	400	ug/ml
Aliphatic C28-C40	17.298	22.217	113371251	888.565	600	ug/ml
Aliphatic EPH	3.147	22.217	306948378	2170		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	4033299	23.92		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	3952799	32.55		ug/ml
Aliphatic C9-C28	3.147	17.297	193577127	1280	1200	ug/ml