

Report of Analysis

Client:	PSEG	Date Collected:	02/10/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	02/10/25
Client Sample ID:	EO-01-021025-E2	SDG No.:	Q1345
Lab Sample ID:	Q1345-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
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
02/11/25 09:42	02/12/25 8:41	PB166666

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	63.1		2	3.99	4.44	mg/kg	FE052361.D
Aliphatic C9-C28	Aliphatic C9-C28	29.6		1	1.91	4.44	mg/kg	FE052354.D
Total AliphaticEPH	Total AliphaticEPH	92.7			5.90	8.88	mg/kg	
Total EPH	Total EPH	92.7			5.90	8.88	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

Report of Analysis

Client:	PSEG	Date Collected:	02/10/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	02/10/25
Client Sample ID:	EO-01-021025-E2	SDG No.:	Q1345
Lab Sample ID:	Q1345-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052354.D	1	02/11/25	02/11/25	PB166666

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	29.6		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.1	E	2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.2		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1345-02	Acq On:	11 Feb 2025 17:52
Client Sample ID:	EO-01-021025-E2	Operator:	YP\AJ
Data file:	FE052354.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.677	7.234	7398157	76.916	300	ug/ml
Aliphatic C12-C16	7.235	10.639	17475637	166.889	200	ug/ml
Aliphatic C16-C21	10.640	13.986	9469404	83.783	300	ug/ml
Aliphatic C21-C28	13.987	17.629	8275731	72.595	400	ug/ml
Aliphatic C28-C40	17.630	22.716	74432150	812.99	600	ug/ml
Aliphatic EPH	3.677	22.716	117051079	1210		ug/ml
ortho-Terphenyl (SURR)	12.330	12.330	2916119	23.56		ug/ml
1-chlorooctadecane (SURR)	13.741	13.741	3968689	40.21		ug/ml
Aliphatic C9-C28	3.677	17.629	42618929	400.183	1200	ug/ml