

Report of Analysis

Client:	PSEG	Date Collected:	12/06/24
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	12/06/24
Client Sample ID:	EO-03-12062024	SDG No.:	P5176
Lab Sample ID:	P5176-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
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
12/09/24 09:15	12/10/24 11:06	PB165478

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	302		10	19.8	22.0	mg/kg	FE051602.D
Aliphatic C9-C28	Aliphatic C9-C28	69.8		1	1.89	4.40	mg/kg	FE051593.D
Total AliphaticEPH	Total AliphaticEPH	372			21.7	26.4	mg/kg	
Total EPH	Total EPH	372			21.7	26.4	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:	12/06/24
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	12/06/24
Client Sample ID:	EO-03-12062024	SDG No.:	P5176
Lab Sample ID:	P5176-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.04 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
FE051593.D	1	12/09/24	12/09/24	PB165478

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	69.8		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	319	E	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	388		40 - 140	776%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.1		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5176-03	Acq On:	09 Dec 2024 16:28
Client Sample ID:	EO-03-12062024	Operator:	YP\AJ
Data file:	FE051593.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.731	2021615	14.294	300	ug/ml
Aliphatic C12-C16	6.732	10.162	8831479	62.75	200	ug/ml
Aliphatic C16-C21	10.163	13.521	79818654	573.822	300	ug/ml
Aliphatic C21-C28	13.522	17.175	39346029	300.806	400	ug/ml
Aliphatic C28-C40	17.176	22.007	466016766	4350	600	ug/ml
Aliphatic EPH	3.117	22.007	596034543	5300		ug/ml
ortho-Terphenyl (SURR)	11.833	11.833	6669176	44.13		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	43385605	388.23		ug/ml
Aliphatic C9-C28	3.117	17.175	130017777	951.672	1200	ug/ml