

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	01/30/25
Client Sample ID:	EO-02-01302025-E2	SDG No.:	Q1244
Lab Sample ID:	Q1244-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
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
01/31/25 09:45	02/03/25 11:57	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	69.1		5	9.53	10.6	mg/kg FF015432.D
Aliphatic C9-C28	Aliphatic C9-C28	220		5	9.11	21.2	mg/kg FF015432.D
Total AliphaticEPH	Total AliphaticEPH	289			18.6	31.8	mg/kg
Total EPH	Total EPH	289			18.6	31.8	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015425.D	1	01/31/25	01/31/25	PB166417

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	212	E	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.2	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1244-02	Acq On:	31 Jan 2025 19:36
Client Sample ID:	EO-02-01302025-E2	Operator:	YP\AJ
Data file:	FF015425.D	Misc:	
Instrument:	FID_F	ALS Vial:	82
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	106021992	795.405	300	ug/ml
Aliphatic C12-C16	6.834	10.268	263725143	1910	200	ug/ml
Aliphatic C16-C21	10.269	13.636	35118837	243.108	300	ug/ml
Aliphatic C21-C28	13.637	17.303	10219057	71.755	400	ug/ml
Aliphatic C28-C40	17.304	22.207	95151034	908.914	600	ug/ml
Aliphatic EPH	3.214	22.207	510236063	3920		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	5170107	32.52		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	4543754	36.45		ug/ml
Aliphatic C9-C28	3.214	17.303	415085029	3020	1200	ug/ml