

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	SDG No.:	Q1244
Lab Sample ID:	Q1244-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.03 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	01/31/25 19:08	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.5		1	1.92	2.13	mg/kg FF015424.D
Aliphatic C9-C28	Aliphatic C9-C28	144		5	9.16	21.3	mg/kg FF015431.D
Total AliphaticEPH	Total AliphaticEPH	179			11.1	23.4	mg/kg
Total EPH	Total EPH	179			11.1	23.4	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

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015424.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	141	E	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.5		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1244-01	Acq On:	31 Jan 2025 19:08
Client Sample ID:	EO-02-01302025	Operator:	YP\AJ
Data file:	FF015424.D	Misc:	
Instrument:	FID_F	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	74697018	560.397	300	ug/ml
Aliphatic C12-C16	6.834	10.268	169194080	1220	200	ug/ml
Aliphatic C16-C21	10.269	13.636	22098133	152.973	300	ug/ml
Aliphatic C21-C28	13.637	17.303	6849523	48.095	400	ug/ml
Aliphatic C28-C40	17.304	22.207	52447235	500.993	600	ug/ml
Aliphatic EPH	3.214	22.207	325285989	2480		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	4294859	27.01		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	3680426	29.52		ug/ml
Aliphatic C9-C28	3.214	17.303	272838754	1980	1200	ug/ml