

Report of Analysis

Client:	PSEG	Date Collected:	09/16/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/16/25
Client Sample ID:	EO-01-091625	SDG No.:	Q3118
Lab Sample ID:	Q3118-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/17/25 09:40	09/18/25 10:12	PB169727

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	64.0		5	6.37	10.8	mg/kg FE055891.D
Aliphatic C9-C28	Aliphatic C9-C28	8.02		1	0.98	4.32	mg/kg FE055882.D
Total AliphaticEPH	Total AliphaticEPH	72.0			7.35	15.1	mg/kg
Total EPH	Total EPH	72.0			7.35	15.1	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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Sample Wt/Vol:	30.01 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
FE055882.D	1	09/17/25	09/17/25	PB169727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.02		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.4	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3118-01	Acq On:	17 Sep 2025 19:10
Client Sample ID:	EO-01-091625	Operator:	YP\AJ
Data file:	FE055882.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	1029760	8.02	300	ug/ml
Aliphatic C12-C16	6.946	10.397	4314396	31.936	200	ug/ml
Aliphatic C16-C21	10.398	13.776	5216011	36.168	300	ug/ml
Aliphatic C21-C28	13.777	17.448	5055452	35.295	400	ug/ml
Aliphatic C28-C40	17.449	22.462	127101656	922.901	600	ug/ml
Aliphatic EPH	3.311	22.462	142717275	1030		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4633360	28.2		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4072290	32.57		ug/ml
Aliphatic C9-C28	3.311	17.448	15615619	111.419	1200	ug/ml