

Report of Analysis

Client:	PSEG	Date Collected:	09/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/25/25
Client Sample ID:	EO-03-092525-E2	SDG No.:	Q3212
Lab Sample ID:	Q3212-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 13:20	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	399		10	12.7	21.5	mg/kg	FE056043.D
Aliphatic C9-C28	Aliphatic C9-C28	166		10	9.79	43.1	mg/kg	FE056043.D
Total AliphaticEPH	Total AliphaticEPH	565			22.5	64.6	mg/kg	
Total EPH	Total EPH	565			22.5	64.6	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
FE056039.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	198	E	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	416	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	65.0		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3212-02	Acq On:	29 Sep 2025 11:18
Client Sample ID:	EO-03-092525-E2	Operator:	YP\AJ
Data file:	FE056039.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	73554070	525.281	300	ug/ml
Aliphatic C12-C16	6.947	10.396	233900454	1530	200	ug/ml
Aliphatic C16-C21	10.397	13.773	54762553	330.134	300	ug/ml
Aliphatic C21-C28	13.774	17.443	56357535	379.443	400	ug/ml
Aliphatic C28-C40	17.444	22.449	791632933	5810	600	ug/ml
Aliphatic EPH	3.315	22.449	1210207545	8570		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	8480912	45.19		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	9069483	64.98		ug/ml
Aliphatic C9-C28	3.315	17.443	418574612	2760	1200	ug/ml