

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	09/19/25
Client Sample ID:	EO-02-091925-E2	SDG No.:	Q3152
Lab Sample ID:	Q3152-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 10:00	09/23/25 10:12	PB169775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	133		5	6.44	10.9	mg/kg	FE055957.D
Aliphatic C9-C28	Aliphatic C9-C28	20.6		1	0.99	4.36	mg/kg	FE055950.D
Total AliphaticEPH	Total AliphaticEPH	154			7.43	15.3	mg/kg	
Total EPH	Total EPH	154			7.43	15.3	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
FE055950.D	1	09/22/25	09/23/25	PB169775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	20.6		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	136	E	1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3152-02	Acq On:	23 Sep 2025 05:35
Client Sample ID:	EO-02-091925-E2	Operator:	YP\AJ
Data file:	FE055950.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	2690286	20.952	300	ug/ml
Aliphatic C12-C16	6.948	10.400	10465646	77.469	200	ug/ml
Aliphatic C16-C21	10.401	13.780	5838469	40.484	300	ug/ml
Aliphatic C21-C28	13.781	17.452	20618100	143.945	400	ug/ml
Aliphatic C28-C40	17.453	22.472	258690000	1880	600	ug/ml
Aliphatic EPH	3.312	22.472	298302501	2160		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	5498935	33.47		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4480328	35.83		ug/ml
Aliphatic C9-C28	3.312	17.452	39612501	282.85	1200	ug/ml