

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	SDG No.:	Q3152
Lab Sample ID:	Q3152-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
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
09/22/25 10:00	09/23/25 9:41	PB169775

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	126		5	6.39	10.8	mg/kg FE055956.D
Aliphatic C9-C28	Aliphatic C9-C28	136		5	4.93	21.6	mg/kg FE055956.D
Total AliphaticEPH	Total AliphaticEPH	262			11.3	32.5	mg/kg
Total EPH	Total EPH	262			11.3	32.5	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
FE055949.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	143	E	0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	125	E	1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3152-01	Acq On:	23 Sep 2025 05:05
Client Sample ID:	EO-02-091925	Operator:	YP\AJ
Data file:	FE055949.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	69052121	537.773	300	ug/ml
Aliphatic C12-C16	6.948	10.400	145580171	1080	200	ug/ml
Aliphatic C16-C21	10.401	13.780	31026161	215.135	300	ug/ml
Aliphatic C21-C28	13.781	17.452	22296838	155.665	400	ug/ml
Aliphatic C28-C40	17.453	22.472	239944021	1740	600	ug/ml
Aliphatic EPH	3.312	22.472	507899312	3730		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	5342625	32.52		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4847410	38.77		ug/ml
Aliphatic C9-C28	3.312	17.452	267955291	1990	1200	ug/ml