

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	06/25/25
Client Sample ID:	EO-3-6-25-2025-E2	SDG No.:	Q2419
Lab Sample ID:	Q2419-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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
06/26/25 08:50	06/27/25 11:45	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	69.4		5	6.53	11.1	mg/kg FC069316.D
Aliphatic C9-C28	Aliphatic C9-C28	65.7		1	1.01	4.44	mg/kg FC069294.D
Total AliphaticEPH	Total AliphaticEPH	135			7.54	15.5	mg/kg
Total EPH	Total EPH	135			7.54	15.5	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069294.D	1	06/26/25	06/26/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	65.7		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	76.4	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.3		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2419-02	Acq On:	26 Jun 2025 17:06
Client Sample ID:	EO-03-06252025-E2	Operator:	YP/AJ
Data file:	FC069294.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	43249805	294.859	300	ug/ml
Aliphatic C12-C16	6.605	10.008	62304653	391.335	200	ug/ml
Aliphatic C16-C21	10.009	13.377	14806400	95.875	300	ug/ml
Aliphatic C21-C28	13.378	17.043	14275745	106.562	400	ug/ml
Aliphatic C28-C40	17.044	22.026	95322649	1030	600	ug/ml
Aliphatic EPH	3.305	22.026	229959252	1920		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4461540	25.83		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3563195	27.27		ug/ml
Aliphatic C9-C28	3.305	17.043	134636603	888.631	1200	ug/ml