

Report of Analysis

Client:	PSEG	Date Collected:	10/28/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/28/25
Client Sample ID:	OR-02-102825	SDG No.:	Q3481
Lab Sample ID:	Q3481-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 10/29/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	66.2		5	6.51	11.0	mg/kg	FC070083.D	10/30/25 11:04	PB170307
Aliphatic C9-C28	Aliphatic C9-C28	10.0		1	1.00	4.41	mg/kg	FC070076.D	10/29/25 15:31	PB170307
Total AliphaticEPH	Total AliphaticEPH	76.2			7.51	15.4	mg/kg			
Total EPH	Total EPH	76.2			7.51	15.4	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 Date	10/29/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	10.0	1		1.00	4.41	mg/kg	10/29/25	PB170307
Aliphatic C28-C40	Aliphatic C28-C40	72.3	E 1		1.30	2.21	mg/kg	10/29/25	PB170307
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.5			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.5			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3481-01	Acq On:	29 Oct 2025 15:31
Client Sample ID:	OR-02-102825	Operator:	YP/AJ
Data file:	FC070076.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.573	780057	5.388	300	ug/ml
Aliphatic C12-C16	6.574	9.973	2060448	12.58	200	ug/ml
Aliphatic C16-C21	9.974	13.341	8079024	49.887	300	ug/ml
Aliphatic C21-C28	13.342	17.005	10056907	68.348	400	ug/ml
Aliphatic C28-C40	17.006	21.961	105853371	983.769	600	ug/ml
Aliphatic EPH	3.281	21.961	126829807	1120		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	4826610	27.49		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	4008432	29.53		ug/ml
Aliphatic C9-C28	3.281	17.005	20976436	136.203	1200	ug/ml