

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-E2	SDG No.:	Q3481
Lab Sample ID:	Q3481-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.05 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	79.3		5	6.54	11.1	mg/kg	FC070084.D	10/30/25 11:46	PB170307
Aliphatic C9-C28	Aliphatic C9-C28	6.50		1	1.01	4.44	mg/kg	FC070077.D	10/29/25 16:14	PB170307
Total AliphaticEPH	Total AliphaticEPH	85.8			7.55	15.5	mg/kg			
Total EPH	Total EPH	85.8			7.55	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.50	1		1.01	4.44	mg/kg	10/29/25	PB170307
Aliphatic C28-C40	Aliphatic C28-C40	66.8	E 1		1.31	2.22	mg/kg	10/29/25	PB170307
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.5			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.3			40 - 140	57%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3481-02	Acq On:	29 Oct 2025 16:14
Client Sample ID:	OR-02-102825-E2	Operator:	YP/AJ
Data file:	FC070077.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	3.281	6.573	698708	4.826	300	ug/ml
Aliphatic C12-C16	6.574	9.973	2190804	13.376	200	ug/ml
Aliphatic C16-C21	9.974	13.341	4285397	26.462	300	ug/ml
Aliphatic C21-C28	13.342	17.005	6347998	43.142	400	ug/ml
Aliphatic C28-C40	17.006	21.961	97253807	903.847	600	ug/ml
Aliphatic EPH	3.281	21.961	110776714	991.653		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	4962328	28.26		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	4139602	30.5		ug/ml
Aliphatic C9-C28	3.281	17.005	13522907	87.806	1200	ug/ml