

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service (OR)	Date Received:	
Client Sample ID:	PB170458BSD	SDG No.:	Q3564
Lab Sample ID:	PB170458BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1	1.18	2.00	mg/kg	FE056721.D	11/10/25 20:09	PB170458
Aliphatic C9-C28	Aliphatic C9-C28	62.0		1	0.91	3.99	mg/kg	FE056721.D	11/10/25 20:09	PB170458
Total AliphaticEPH	Total AliphaticEPH	82.4			2.09	5.99	mg/kg			
Total EPH	Total EPH	82.4			2.09	5.99	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	62.0	1		0.91	3.99	mg/kg	11/10/25	PB170458
Aliphatic C28-C40	Aliphatic C28-C40	20.4	1		1.18	2.00	mg/kg	11/10/25	PB170458
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.7			40 - 140	77%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.8			40 - 140	74%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170458BSD	Acq On:	10 Nov 2025 20:09
Client Sample ID:	PB170458BSD	Operator:	YP\AJ
Data file:	FE056721.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.846	31076169	181.559	300	ug/ml
Aliphatic C12-C16	6.847	10.294	40522206	226.692	200	ug/ml
Aliphatic C16-C21	10.295	13.670	45117486	241.91	300	ug/ml
Aliphatic C21-C28	13.671	17.342	54254525	281.453	400	ug/ml
Aliphatic C28-C40	17.343	22.288	48751124	306.005	600	ug/ml
Aliphatic EPH	3.221	22.288	219721510	1240		ug/ml
ortho-Terphenyl (SURR)	11.967	11.967	7689587	36.81		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	6237510	38.71		ug/ml
Aliphatic C9-C28	3.221	17.342	170970386	931.614	1200	ug/ml