

Report of Analysis

Client:	PSEG	Date Collected:	12/08/25
Project:	Oradell Gas and Appliance Service (OR)	Date Received:	12/08/25
Client Sample ID:	OR-02-120825	SDG No.:	Q3812
Lab Sample ID:	Q3812-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/09/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	50.0		2	2.58	4.37	mg/kg	FE057275.D	12/10/25 8:48	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	59.7		1	0.99	4.37	mg/kg	FE057266.D	12/10/25 1:59	PB170876
Total AliphaticEPH	Total AliphaticEPH	110			3.57	8.74	mg/kg			
Total EPH	Total EPH	110			3.57	8.74	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	12/09/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	59.7	1		0.99	4.37	mg/kg	12/10/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	43.8	E 1		1.29	2.19	mg/kg	12/10/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	39.3			40 - 140	79%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.3			40 - 140	71%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3812-01	Acq On:	10 Dec 2025 01:59
Client Sample ID:	OR-02-120825	Operator:	YP\AJ
Data file:	FE057266.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	2016448	10.049	300	ug/ml
Aliphatic C12-C16	6.819	10.263	16551849	81.465	200	ug/ml
Aliphatic C16-C21	10.264	13.636	75700609	381.718	300	ug/ml
Aliphatic C21-C28	13.637	17.304	68647228	345.4	400	ug/ml
Aliphatic C28-C40	17.305	22.230	120142929	601.015	600	ug/ml
Aliphatic EPH	3.193	22.230	283059063	1420		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	7755571	35.34		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	6547868	39.34		ug/ml
Aliphatic C9-C28	3.193	17.304	162916134	818.632	1200	ug/ml