

Report of Analysis

Client:	PSEG	Date Collected:	11/24/25
Project:	Oradell Gas and Appliance Service (OR)	Date Received:	11/24/25
Client Sample ID:	OR-03-11-24-2025	SDG No.:	Q3714
Lab Sample ID:	Q3714-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.5
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/26/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	42.4		2	2.39	4.06	mg/kg	FE057095.D	12/01/25 14:08	PB170736
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	0.92	4.05	mg/kg	FE057049.D	11/26/25 16:35	PB170736
Total AliphaticEPH	Total AliphaticEPH	59.3			3.31	8.11	mg/kg			
Total EPH	Total EPH	59.3			3.31	8.11	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	0.92	4.05	mg/kg	11/26/25	PB170736
Aliphatic C28-C40	Aliphatic C28-C40	44.6	E	1	1.20	2.03	mg/kg	11/26/25	PB170736
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.5			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.1			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3714-01	Acq On:	26 Nov 2025 16:35
Client Sample ID:	OR-03-11-24-2025	Operator:	YP\AJ
Data file:	FE057049.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.202	6.826	819448	4.788	300	ug/ml
Aliphatic C12-C16	6.827	10.271	4581657	25.631	200	ug/ml
Aliphatic C16-C21	10.272	13.644	17325575	92.896	300	ug/ml
Aliphatic C21-C28	13.645	17.314	24519890	127.2	400	ug/ml
Aliphatic C28-C40	17.315	22.241	105058673	659.441	600	ug/ml
Aliphatic EPH	3.202	22.241	152305243	909.956		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	5254600	25.15		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	4111254	25.52		ug/ml
Aliphatic C9-C28	3.202	17.314	47246570	250.515	1200	ug/ml