

Report of Analysis

Client:	PSEG	Date Collected:	11/14/25
Project:	Oradell Gas and Appliance Service (OR)	Date Received:	11/14/25
Client Sample ID:	OR-02-111425-E2	SDG No.:	Q3648
Lab Sample ID:	Q3648-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	194		10	12.9	21.9	mg/kg	FE056908.D	11/18/25 18:06	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	120		10	9.99	43.9	mg/kg	FE056908.D	11/18/25 18:06	PB170578
Total AliphaticEPH	Total AliphaticEPH	314			22.9	65.8	mg/kg			
Total EPH	Total EPH	314			22.9	65.8	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	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	117	E	1	1.00	4.39	mg/kg	11/18/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	165	E	1	1.29	2.19	mg/kg	11/18/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	49.7			40 - 140	99%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.3			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3648-02	Acq On:	18 Nov 2025 02:43
Client Sample ID:	OR-02-111425-E2	Operator:	YP\AJ
Data file:	FE056891.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	1757301	10.267	300	ug/ml
Aliphatic C12-C16	6.837	10.281	18400399	102.937	200	ug/ml
Aliphatic C16-C21	10.282	13.655	112612651	603.803	300	ug/ml
Aliphatic C21-C28	13.656	17.323	170840129	886.256	400	ug/ml
Aliphatic C28-C40	17.324	22.257	361161690	2270	600	ug/ml
Aliphatic EPH	3.213	22.257	664772170	3870		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	5698177	27.28		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	8007527	49.7		ug/ml
Aliphatic C9-C28	3.213	17.323	303610480	1600	1200	ug/ml