

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	SDG No.:	Q3648
Lab Sample ID:	Q3648-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 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	88.4		5	6.51	11.0	mg/kg	FE056907.D	11/18/25 17:36	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	93.0		5	5.03	22.1	mg/kg	FE056907.D	11/18/25 17:36	PB170578
Total AliphaticEPH	Total AliphaticEPH	181			11.5	33.1	mg/kg			
Total EPH	Total EPH	181			11.5	33.1	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	90.1	E	1	1.00	4.41	mg/kg	11/18/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	95.6	E	1	1.30	2.21	mg/kg	11/18/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	49.8			40 - 140	100%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.8			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3648-01	Acq On:	18 Nov 2025 02:13
Client Sample ID:	OR-02-111425	Operator:	YP\AJ
Data file:	FE056890.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	2825869	16.51	300	ug/ml
Aliphatic C12-C16	6.837	10.281	20199239	113	200	ug/ml
Aliphatic C16-C21	10.282	13.655	96408299	516.919	300	ug/ml
Aliphatic C21-C28	13.656	17.323	111202598	576.878	400	ug/ml
Aliphatic C28-C40	17.324	22.257	206857641	1300	600	ug/ml
Aliphatic EPH	3.213	22.257	437493646	2520		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	5814341	27.83		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	8016019	49.75		ug/ml
Aliphatic C9-C28	3.213	17.323	230636005	1220	1200	ug/ml