

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/17/25
Client Sample ID:	OR-03-101725-E2	SDG No.:	Q3383
Lab Sample ID:	Q3383-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	1.29	2.19	mg/kg	FE056393.D	10/20/25 18:19	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	7.90		1	1.00	4.39	mg/kg	FE056393.D	10/20/25 18:19	PB170169
Total AliphaticEPH	Total AliphaticEPH	27.4			2.29	6.58	mg/kg			
Total EPH	Total EPH	27.4			2.29	6.58	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	7.90	1		1.00	4.39	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	19.5	1		1.29	2.19	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.2			40 - 140	46%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	20.9			40 - 140	42%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3383-02	Acq On:	20 Oct 2025 18:19
Client Sample ID:	OR-03-101725-E2	Operator:	YP\AJ
Data file:	FE056393.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.926	3551784	21.516	300	ug/ml
Aliphatic C12-C16	6.927	10.378	2560390	15.013	200	ug/ml
Aliphatic C16-C21	10.379	13.756	5430039	30.397	300	ug/ml
Aliphatic C21-C28	13.757	17.428	7381302	41.216	400	ug/ml
Aliphatic C28-C40	17.429	22.423	37057982	266.983	600	ug/ml
Aliphatic EPH	3.300	22.423	55981497	375.124		ug/ml
ortho-Terphenyl (SURR)	12.052	12.052	4275899	20.93		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	3536817	23.18		ug/ml
Aliphatic C9-C28	3.300	17.428	18923515	108.142	1200	ug/ml