

Report of Analysis

Client:	PSEG	Date Collected:	11/14/25
Project:	Harding Gas and Appliance Service (HD)	Date Received:	11/14/25
Client Sample ID:	HD-02-11142025	SDG No.:	Q3645
Lab Sample ID:	Q3645-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.06 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	37.5		1	1.26	2.13	mg/kg	FE056879.D	11/17/25 19:10	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	5.99		1	0.97	4.27	mg/kg	FE056879.D	11/17/25 19:10	PB170578
Total AliphaticEPH	Total AliphaticEPH	43.5			2.23	6.40	mg/kg			
Total EPH	Total EPH	43.5			2.23	6.40	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	5.99	1		0.97	4.27	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	37.5	1		1.26	2.13	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.6			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.8			40 - 140	74%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3645-01	Acq On:	17 Nov 2025 19:10
Client Sample ID:	HD-02-11142025	Operator:	YP\AJ
Data file:	FE056879.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	900933	5.264	300	ug/ml
Aliphatic C12-C16	6.837	10.281	2843167	15.905	200	ug/ml
Aliphatic C16-C21	10.282	13.655	9155914	49.092	300	ug/ml
Aliphatic C21-C28	13.656	17.323	2691284	13.961	400	ug/ml
Aliphatic C28-C40	17.324	22.257	84234830	528.732	600	ug/ml
Aliphatic EPH	3.213	22.257	99826128	612.955		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	7676555	36.75		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4934358	30.63		ug/ml
Aliphatic C9-C28	3.213	17.323	15591298	84.222	1200	ug/ml