

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-E2	SDG No.:	Q3645
Lab Sample ID:	Q3645-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.09 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	36.5		1	1.28	2.17	mg/kg	FE056880.D	11/17/25 19:40	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	21.8		1	0.99	4.36	mg/kg	FE056880.D	11/17/25 19:40	PB170578
Total AliphaticEPH	Total AliphaticEPH	58.3			2.27	6.53	mg/kg			
Total EPH	Total EPH	58.3			2.27	6.53	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	21.8	1		0.99	4.36	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	36.5	1		1.28	2.17	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.3			40 - 140	55%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.7			40 - 140	67%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3645-02	Acq On:	17 Nov 2025 19:40
Client Sample ID:	HD-02-11142025-E2	Operator:	YP\AJ
Data file:	FE056880.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	2541688	14.85	300	ug/ml
Aliphatic C12-C16	6.837	10.281	21873652	122.367	200	ug/ml
Aliphatic C16-C21	10.282	13.655	26183576	140.39	300	ug/ml
Aliphatic C21-C28	13.656	17.323	4467600	23.176	400	ug/ml
Aliphatic C28-C40	17.324	22.257	80147328	503.076	600	ug/ml
Aliphatic EPH	3.213	22.257	135213844	803.859		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	7040756	33.7		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	4396195	27.29		ug/ml
Aliphatic C9-C28	3.213	17.323	55066516	300.783	1200	ug/ml