

Report of Analysis

Client:	PSEG	Date Collected:	11/26/25
Project:	Harding Gas and Appliance Service (HD)	Date Received:	11/26/25
Client Sample ID:	HD-01-11-26-2025-E2	SDG No.:	Q3732
Lab Sample ID:	Q3732-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	16.2		1	1.45	2.46	mg/kg	FE057110.D	12/01/25 21:39	PB170764
Aliphatic C9-C28	Aliphatic C9-C28	1.96	J	1	1.12	4.92	mg/kg	FE057110.D	12/01/25 21:39	PB170764
Total AliphaticEPH	Total AliphaticEPH	18.2			2.57	7.38	mg/kg			
Total EPH	Total EPH	18.2			2.57	7.38	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	1.96	J	1	1.12	4.92	mg/kg	12/01/25	PB170764
Aliphatic C28-C40	Aliphatic C28-C40	16.2		1	1.45	2.46	mg/kg	12/01/25	PB170764
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.4			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.6			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3732-02	Acq On:	01 Dec 2025 21:39
Client Sample ID:	HD-01-11-26-2025-E2	Operator:	YP\AJ
Data file:	FE057110.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.201	6.825	376123	1.874	300	ug/ml
Aliphatic C12-C16	6.826	10.270	1098356	5.406	200	ug/ml
Aliphatic C16-C21	10.271	13.644	834552	4.208	300	ug/ml
Aliphatic C21-C28	13.645	17.313	2843980	14.31	400	ug/ml
Aliphatic C28-C40	17.314	22.242	39505125	197.625	600	ug/ml
Aliphatic EPH	3.201	22.242	44658136	223.423		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	6050749	27.57		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	3896080	23.41		ug/ml
Aliphatic C9-C28	3.201	17.313	5153011	25.798	1200	ug/ml