

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harding Gas and Appliance Service (HD)	Date Received:	
Client Sample ID:	HD-01-11-26-2025MSD	SDG No.:	Q3732
Lab Sample ID:	Q3732-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.02 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

Total AliphaticEPH	Total AliphaticEPH	117			2.40	6.90	mg/kg			
Total EPH	Total EPH	117			2.40	6.90	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	12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	75.4	1		1.04	4.60	mg/kg	12/01/25	PB170764
Aliphatic C28-C40	Aliphatic C28-C40	41.3	1		1.36	2.30	mg/kg	12/01/25	PB170764
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.9			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.7			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3732-01MSD	Acq On:	01 Dec 2025 21:09
Client Sample ID:	Q3732-01MSD	Operator:	YP\AJ
Data file:	FE057109.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.201	6.825	27562574	137.363	300	ug/ml
Aliphatic C12-C16	6.826	10.270	45390687	223.404	200	ug/ml
Aliphatic C16-C21	10.271	13.644	54586826	275.252	300	ug/ml
Aliphatic C21-C28	13.645	17.313	69335696	348.864	400	ug/ml
Aliphatic C28-C40	17.314	22.242	107683290	538.686	600	ug/ml
Aliphatic EPH	3.201	22.242	304559073	1520		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	6077307	27.69		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	4140090	24.88		ug/ml
Aliphatic C9-C28	3.201	17.313	196875783	984.883	1200	ug/ml