

Report of Analysis

Client:	PSEG	Date Collected:	10/14/25
Project:	Camden Gas Plant	Date Received:	10/14/25
Client Sample ID:	M-R-SOIL	SDG No.:	Q3345
Lab Sample ID:	Q3345-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/15/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	110		10	13.6	23.1	mg/kg	FE056346.D	10/16/25 10:52	PB170109
Aliphatic C9-C28	Aliphatic C9-C28	521		10	10.5	46.1	mg/kg	FE056346.D	10/16/25 10:52	PB170109
Total AliphaticEPH	Total AliphaticEPH	631			24.1	69.2	mg/kg			
Total EPH	Total EPH	631			24.1	69.2	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 Method :		Prep Date	10/15/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	499	E	1	1.05	4.61	mg/kg	10/15/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	84.0	E	1	1.36	2.31	mg/kg	10/15/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	50.5			40 - 140	101%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.2			40 - 140	66%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3345-05	Acq On:	15 Oct 2025 19:52
Client Sample ID:	M-R-SOIL	Operator:	YP\AJ
Data file:	FE056338.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	3.303	6.937	58715624	419.314	300	ug/ml
Aliphatic C12-C16	6.938	10.387	284642164	1860	200	ug/ml
Aliphatic C16-C21	10.388	13.765	385109917	2320	300	ug/ml
Aliphatic C21-C28	13.766	17.436	284766540	1920	400	ug/ml
Aliphatic C28-C40	17.437	22.435	148869144	1090	600	ug/ml
Aliphatic EPH	3.303	22.435	1162103389	7610		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6229320	33.2		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	7053545	50.54		ug/ml
Aliphatic C9-C28	3.303	17.436	1013234245	6510	1200	ug/ml