

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169002BL	SDG No.:	Q2689
Lab Sample ID:	PB169002BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02      Units:    g	Final Vol:	2000              uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/25/25 12:42	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg
Total EPH	Total EPH	2.09	U		2.09	5.99	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069531.D	1	07/25/25	07/25/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169002BL	Acq On:	25 Jul 2025 12:42
Client Sample ID:	PB169002BL	Operator:	YP/AJ
Data file:	FC069531.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.600	0	0	300	ug/ml
Aliphatic C12-C16	6.601	10.004	0	0	200	ug/ml
Aliphatic C16-C21	10.005	13.374	0	0	300	ug/ml
Aliphatic C21-C28	13.375	17.040	0	0	400	ug/ml
Aliphatic C28-C40	17.041	22.024	0	0	600	ug/ml
Aliphatic EPH	3.303	22.024	0	0		ug/ml
ortho-Terphenyl (SURR)	11.674	11.674	5805769	39.12		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	4586950	40.59		ug/ml
Aliphatic C9-C28	3.303	17.040	0	0	1200	ug/ml