

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169750BS	SDG No.:	Q3126
Lab Sample ID:	PB169750BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03      Units: g	Final Vol:	2000      uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/19/25 08:55	09/19/25 13:56	PB169750

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	33.4		1	1.18	2.00	mg/kg	FF016407.D
Aliphatic C9-C28	Aliphatic C9-C28	90.7	E	1	0.91	3.99	mg/kg	FF016407.D
Total AliphaticEPH	Total AliphaticEPH	124			2.09	5.99	mg/kg	
Total EPH	Total EPH	124			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
FF016407.D	1	09/19/25	09/19/25	PB169750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	90.7	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.4		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169750BS	Acq On:	19 Sep 2025 13:56
Client Sample ID:	PB169750BS	Operator:	YP\AJ
Data file:	FF016407.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.229	6.868	30143194	254.447	300	ug/ml
Aliphatic C12-C16	6.869	10.310	38558502	314.266	200	ug/ml
Aliphatic C16-C21	10.311	13.683	45793491	357.418	300	ug/ml
Aliphatic C21-C28	13.684	17.354	54832715	436.557	400	ug/ml
Aliphatic C28-C40	17.355	22.324	51003769	501.629	600	ug/ml
Aliphatic EPH	3.229	22.324	220331671	1860		ug/ml
ortho-Terphenyl (SURR)	11.977	11.977	5864325	40.55		ug/ml
1-chlorooctadecane (SURR)	13.416	13.416	4670672	41.87		ug/ml
Aliphatic C9-C28	3.229	17.354	169327902	1360	1200	ug/ml