

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	06/27/25
Client Sample ID:	OK-2-062725-E2	SDG No.:	Q2457
Lab Sample ID:	Q2457-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	07/01/25 11:42	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	41.6		2	2.53	4.30	mg/kg	FE054653.D
Aliphatic C9-C28	Aliphatic C9-C28	7.49		1	0.98	4.29	mg/kg	FE054638.D
Total AliphaticEPH	Total AliphaticEPH	49.1			3.51	8.59	mg/kg	
Total EPH	Total EPH	49.1			3.51	8.59	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054638.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.49		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.5	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.5		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2457-02	Acq On:	30 Jun 2025 20:29
Client Sample ID:	OK-2-062725-E2	Operator:	YP\AJ
Data file:	FE054638.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	1682903	12.369	300	ug/ml
Aliphatic C12-C16	6.950	10.397	1562221	11.114	200	ug/ml
Aliphatic C16-C21	10.398	13.771	4576161	31.692	300	ug/ml
Aliphatic C21-C28	13.772	17.439	7158030	49.485	400	ug/ml
Aliphatic C28-C40	17.440	22.445	86129397	621.211	600	ug/ml
Aliphatic EPH	3.322	22.445	101108712	725.871		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	3831694	23.6		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	3091172	24.48		ug/ml
Aliphatic C9-C28	3.322	17.439	14979315	104.66	1200	ug/ml