

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	SDG No.:	Q2457
Lab Sample ID:	Q2457-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.01 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	06/30/25 19:59	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	40.4		1	1.27	2.15	mg/kg FE054637.D
Aliphatic C9-C28	Aliphatic C9-C28	35.8		1	0.98	4.29	mg/kg FE054637.D
Total AliphaticEPH	Total AliphaticEPH	76.2			2.25	6.44	mg/kg
Total EPH	Total EPH	76.2			2.25	6.44	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054637.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	35.8		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.4		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2457-01	Acq On:	30 Jun 2025 19:59
Client Sample ID:	OK-2-062725	Operator:	YP\AJ
Data file:	FE054637.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	1536058	11.29	300	ug/ml
Aliphatic C12-C16	6.950	10.397	5699228	40.544	200	ug/ml
Aliphatic C16-C21	10.398	13.771	28840194	199.733	300	ug/ml
Aliphatic C21-C28	13.772	17.439	35909091	248.245	400	ug/ml
Aliphatic C28-C40	17.440	22.445	78179194	563.87	600	ug/ml
Aliphatic EPH	3.322	22.445	150163765	1060		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4731300	29.13		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	4847704	38.38		ug/ml
Aliphatic C9-C28	3.322	17.439	71984571	499.812	1200	ug/ml