

Report of Analysis

Client:	PSEG	Date Collected:	05/29/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	05/29/25
Client Sample ID:	OK-02-05292025-E2	SDG No.:	Q2152
Lab Sample ID:	Q2152-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/30/25 08:00	06/03/25 8:43	PB168210

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.8		5	6.55	11.1	mg/kg	FE054144.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	1.01	4.44	mg/kg	FE054106.D
Total AliphaticEPH	Total AliphaticEPH	65.9			7.56	15.5	mg/kg	
Total EPH	Total EPH	65.9			7.56	15.5	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
FE054106.D	1	05/30/25	05/30/25	PB168210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.5	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2152-02	Acq On:	30 May 2025 19:03
Client Sample ID:	OK-02-05292025-E2	Operator:	YP\AJ
Data file:	FE054106.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	3.091	6.737	340132	2.509	300	ug/ml
Aliphatic C12-C16	6.738	10.186	2562652	18.991	200	ug/ml
Aliphatic C16-C21	10.187	13.562	5790852	43.9	300	ug/ml
Aliphatic C21-C28	13.563	17.233	8850404	71.273	400	ug/ml
Aliphatic C28-C40	17.234	22.117	94363531	817.49	600	ug/ml
Aliphatic EPH	3.091	22.117	111907571	954.162		ug/ml
ortho-Terphenyl (SURR)	11.839	11.839	4243992	26.11		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3533030	29.8		ug/ml
Aliphatic C9-C28	3.091	17.233	17544040	136.673	1200	ug/ml