

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	06/16/25
Client Sample ID:	OK-03-061625	SDG No.:	Q2338
Lab Sample ID:	Q2338-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
06/17/25 09:40	06/18/25 9:39	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	111		10	12.8	21.8	mg/kg	FE054476.D
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1	0.99	4.36	mg/kg	FE054453.D
Total AliphaticEPH	Total AliphaticEPH	122			13.8	26.2	mg/kg	
Total EPH	Total EPH	122			13.8	26.2	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
FE054453.D	1	06/17/25	06/17/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.4		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	95.2	E	1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.5		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2338-01	Acq On:	17 Jun 2025 19:32
Client Sample ID:	OK-03-061625	Operator:	YP\AJ
Data file:	FE054453.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	3.073	6.717	615639	4.915	300	ug/ml
Aliphatic C12-C16	6.718	10.164	2548004	19.428	200	ug/ml
Aliphatic C16-C21	10.165	13.536	6775536	50.592	300	ug/ml
Aliphatic C21-C28	13.537	17.202	10448032	82.223	400	ug/ml
Aliphatic C28-C40	17.203	22.064	168267790	1310	600	ug/ml
Aliphatic EPH	3.073	22.064	188655001	1470		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4045129	24.48		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	3283899	26.93		ug/ml
Aliphatic C9-C28	3.073	17.202	20387211	157.158	1200	ug/ml