

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	08/28/25
Client Sample ID:	OK-01-082825-E2	SDG No.:	Q2973
Lab Sample ID:	Q2973-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 09:45	09/02/25 13:15	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	181		10	12.4	21.0	mg/kg	FE055620.D
Aliphatic C9-C28	Aliphatic C9-C28	13.5		1	0.95	4.20	mg/kg	FE055600.D
Total AliphaticEPH	Total AliphaticEPH	194			13.4	25.2	mg/kg	
Total EPH	Total EPH	194			13.4	25.2	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055600.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.5		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	168	E	1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2973-02	Acq On:	29 Aug 2025 16:33
Client Sample ID:	OK-01-082825-E2	Operator:	YP\AJ
Data file:	FE055600.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	495310	3.857	300	ug/ml
Aliphatic C12-C16	6.948	10.399	1601742	11.856	200	ug/ml
Aliphatic C16-C21	10.400	13.777	5766845	39.987	300	ug/ml
Aliphatic C21-C28	13.778	17.448	19631003	137.054	400	ug/ml
Aliphatic C28-C40	17.449	22.462	332005950	2410	600	ug/ml
Aliphatic EPH	3.313	22.462	359500850	2600		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	5137665	31.27		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	4266404	34.12		ug/ml
Aliphatic C9-C28	3.313	17.448	27494900	192.754	1200	ug/ml