

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	04/04/25
Client Sample ID:	OK-02-040425-E2	SDG No.:	Q1738
Lab Sample ID:	Q1738-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:41	04/08/25 10:08	PB167476

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.5		2	2.71	4.59	mg/kg	FE053233.D
Aliphatic C9-C28	Aliphatic C9-C28	2.62	J	1	1.04	4.59	mg/kg	FE053221.D
Total AliphaticEPH	Total AliphaticEPH	58.1			3.75	9.19	mg/kg	
Total EPH	Total EPH	58.1			3.75	9.19	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
FE053221.D	1	04/07/25	04/07/25	PB167476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.62	J	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.4	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.8		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1738-02	Acq On:	07 Apr 2025 19:53
Client Sample ID:	OK-02-040425-E2	Operator:	YP\AJ
Data file:	FE053221.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	3.140	6.782	689372	4.418	300	ug/ml
Aliphatic C12-C16	6.783	10.234	768847	5.004	200	ug/ml
Aliphatic C16-C21	10.235	13.611	948862	6.574	300	ug/ml
Aliphatic C21-C28	13.612	17.285	2466115	18.356	400	ug/ml
Aliphatic C28-C40	17.286	22.200	88355566	711.073	600	ug/ml
Aliphatic EPH	3.140	22.200	93228762	745.426		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	4076530	25.03		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	3092445	25.76		ug/ml
Aliphatic C9-C28	3.140	17.285	4873196	34.352	1200	ug/ml