

Report of Analysis

Client:	PSEG	Date Collected:	02/24/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	02/24/25
Client Sample ID:	OK-01-022425-E2	SDG No.:	Q1416
Lab Sample ID:	Q1416-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/25/25 08:35	02/26/25 8:46	PB166852

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	138		5	10.3	11.4	mg/kg	FE052507.D
Aliphatic C9-C28	Aliphatic C9-C28	109		5	9.81	22.8	mg/kg	FE052507.D
Total AliphaticEPH	Total AliphaticEPH	247			20.1	34.2	mg/kg	
Total EPH	Total EPH	247			20.1	34.2	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
FE052491.D	1	02/25/25	02/25/25	PB166852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	98.9	E	1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	127	E	2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.9		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.5		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1416-02	Acq On:	25 Feb 2025 15:18
Client Sample ID:	OK-01-022425-E2	Operator:	YP\AJ
Data file:	FE052491.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.800	16957517	108.811	300	ug/ml
Aliphatic C12-C16	6.801	10.255	89702856	558.979	200	ug/ml
Aliphatic C16-C21	10.256	13.635	82568595	514.389	300	ug/ml
Aliphatic C21-C28	13.636	17.309	18535499	119.273	400	ug/ml
Aliphatic C28-C40	17.310	22.233	219958709	1680	600	ug/ml
Aliphatic EPH	3.155	22.233	427723176	2980		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	5144787	27.52		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	7350642	52.88		ug/ml
Aliphatic C9-C28	3.155	17.309	207764467	1300	1200	ug/ml