

Report of Analysis

Client:	PSEG	Date Collected:	12/23/24
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	12/23/24
Client Sample ID:	OK-02-12232024	SDG No.:	P5383
Lab Sample ID:	P5383-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
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
12/26/24 09:10	12/26/24 13:28	PB165846

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.94	2.16	mg/kg	FE051763.D
Aliphatic C9-C28	Aliphatic C9-C28	3.93	J	1	1.86	4.32	mg/kg	FE051763.D
Total AliphaticEPH	Total AliphaticEPH	24.4			3.80	6.48	mg/kg	
Total EPH	Total EPH	24.4			3.80	6.48	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
FE051763.D	1	12/26/24	12/26/24	PB165846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.93	J	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5383-01	Acq On:	26 Dec 2024 13:28
Client Sample ID:	OK-02-12232024	Operator:	YP\AJ
Data file:	FE051763.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.386	6.959	551046	4.417	300	ug/ml
Aliphatic C12-C16	6.960	10.368	1157695	8.359	200	ug/ml
Aliphatic C16-C21	10.369	13.713	2813862	19.478	300	ug/ml
Aliphatic C21-C28	13.714	17.349	3648490	26.762	400	ug/ml
Aliphatic C28-C40	17.350	22.245	30877643	284.414	600	ug/ml
Aliphatic EPH	3.386	22.245	39048736	343.43		ug/ml
ortho-Terphenyl (SURR)	12.028	12.028	5100300	31.77		ug/ml
1-chlorooctadecane (SURR)	13.450	13.450	4126369	32.71		ug/ml
Aliphatic C9-C28	3.386	17.349	8171093	59.016	1200	ug/ml