

Report of Analysis

Client:	PSEG	Date Collected:	12/06/24
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	12/06/24
Client Sample ID:	OK-01-12062024	SDG No.:	P5175
Lab Sample ID:	P5175-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/09/24 09:15	12/09/24 13:27	PB165478

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.5		1	1.93	2.15	mg/kg	FE051587.D
Aliphatic C9-C28	Aliphatic C9-C28	2.95	J	1	1.85	4.29	mg/kg	FE051587.D
Total AliphaticEPH	Total AliphaticEPH	34.5			3.77	6.43	mg/kg	
Total EPH	Total EPH	34.5			3.77	6.43	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
FE051587.D	1	12/09/24	12/09/24	PB165478

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.95	J	1.85	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.5		1.93	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.2		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5175-01	Acq On:	09 Dec 2024 13:27
Client Sample ID:	OK-01-12062024	Operator:	YP\AJ
Data file:	FE051587.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.731	238740	1.688	300	ug/ml
Aliphatic C12-C16	6.732	10.162	937724	6.663	200	ug/ml
Aliphatic C16-C21	10.163	13.521	1510195	10.857	300	ug/ml
Aliphatic C21-C28	13.522	17.175	3102391	23.718	400	ug/ml
Aliphatic C28-C40	17.176	22.007	47186635	440.586	600	ug/ml
Aliphatic EPH	3.117	22.007	52975685	483.512		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4107927	27.18		ug/ml
1-chlorooctadecane (SURR)	13.256	13.256	3270165	29.26		ug/ml
Aliphatic C9-C28	3.117	17.175	5789050	42.926	1200	ug/ml