284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Oakland Gas and Appliance Service MA00006789	Date Received:	01/31/25
Client Sample ID:	OK-02-01312025	SDG No.:	Q1254
Lab Sample ID:	Q1254-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/01/25 09:31	02/04/25 9:12	PB166469

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	160		5	10.3	11.5	mg/kg	FF015453.D
Aliphatic C9-C28	Aliphatic C9-C28	28.7		1	1.97	4.59	mg/kg	FF015436.D
Total AliphaticEPH	Total AliphaticEPH	189			12.3	16.1	mg/kg	
Total EPH	Total EPH	189			12.3	16.1	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
FF015436.D	1	02/01/25	02/03/25	PB166469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	28.7		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	153	E	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1254-01	Acq On:	03 Feb 2025 14:47
Client Sample ID:	OK-02-01312025	Operator:	YP\AJ
Data file:	FF015436.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.835	2178077	16.341	300	ug/ml
Aliphatic C12-C16	6.836	10.270	12174815	87.966	200	ug/ml
Aliphatic C16-C21	10.271	13.640	20675366	143.124	300	ug/ml
Aliphatic C21-C28	13.641	17.307	18307688	128.551	400	ug/ml
Aliphatic C28-C40	17.308	22.219	211048511	2020	600	ug/ml
Aliphatic EPH	3.213	22.219	264384457	2390		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	3990912	25.1		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	4069299	32.64		ug/ml
Aliphatic C9-C28	3.213	17.307	53335946	375.982	1200	ug/ml