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

Report of Analysis

Client:	PSEG	Date Collected:	04/29/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/29/25
Client Sample ID:	EO-03-04292025	SDG No.:	Q1911
Lab Sample ID:	Q1911-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
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
04/30/25 09:20	04/30/25 16:13	PB167797

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.5		1	1.27	2.14	mg/kg	FE053589.D
Aliphatic C9-C28	Aliphatic C9-C28	55.1		1	0.98	4.29	mg/kg	FE053589.D
Total AliphaticEPH	Total AliphaticEPH	76.6			2.25	6.42	mg/kg	
Total EPH	Total EPH	76.6			2.25	6.42	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
FE053589.D	1	04/30/25	04/30/25	PB167797

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	55.1		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.5		1.27	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1911-01	Acq On:	30 Apr 2025 16:13
Client Sample ID:	EO-03-04292025	Operator:	YP\AJ
Data file:	FE053589.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	23735810	171.301	300	ug/ml
Aliphatic C12-C16	6.757	10.205	44258748	312.108	200	ug/ml
Aliphatic C16-C21	10.206	13.580	22130130	152.24	300	ug/ml
Aliphatic C21-C28	13.581	17.248	19370376	136.244	400	ug/ml
Aliphatic C28-C40	17.249	22.137	38814624	300.774	600	ug/ml
Aliphatic EPH	3.114	22.137	148309688	1070		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	5153927	28.58		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	4181982	30.94		ug/ml
Aliphatic C9-C28	3.114	17.248	109495064	771.893	1200	ug/ml