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

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	01/07/25
Client Sample ID:	EO-03-010725	SDG No.:	Q1027
Lab Sample ID:	Q1027-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/08/25 08:06	01/09/25 7:48	PB165974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	63.0		2	3.90	4.33	mg/kg	FE051883.D
Aliphatic C9-C28	Aliphatic C9-C28	63.0		1	1.86	4.32	mg/kg	FE051870.D
Total AliphaticEPH	Total AliphaticEPH	126			5.76	8.65	mg/kg	
Total EPH	Total EPH	126			5.76	8.65	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051870.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		63.0		1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		60.8	E	1.95	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		331		40 - 140	661%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.0		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1027-01	Acq On:	08 Jan 2025 16:46
Client Sample ID:	EO-03-010725	Operator:	YP\AJ
Data file:	FE051870.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	4103327	36.028	300	ug/ml
Aliphatic C12-C16	7.025	10.452	14836602	119.713	200	ug/ml
Aliphatic C16-C21	10.453	13.814	77124752	584.181	300	ug/ml
Aliphatic C21-C28	13.815	17.470	17252261	131.703	400	ug/ml
Aliphatic C28-C40	17.471	22.484	91899334	841.995	600	ug/ml
Aliphatic EPH	3.428	22.484	205216276	1710		ug/ml
ortho-Terphenyl (SURR)	12.135	12.135	3624129	25		ug/ml
1-chlorooctadecane (SURR)	13.566	13.566	37983758	330.55		ug/ml
Aliphatic C9-C28	3.428	17.470	113316942	871.625	1200	ug/ml