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

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/09/25
Client Sample ID:	EO-02-05092025	SDG No.:	Q2002
Lab Sample ID:	Q2002-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
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
05/12/25 08:30	05/12/25 15:06	PB167945

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1	1.26	2.14	mg/kg	FC068830.D
Aliphatic C9-C28	Aliphatic C9-C28	13.5		1	0.98	4.28	mg/kg	FC068830.D
Total AliphaticEPH	Total AliphaticEPH	43.0			2.23	6.42	mg/kg	
Total EPH	Total EPH	43.0			2.23	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068830.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.5		0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.1		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	16.4		40 - 140	33%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2002-01	Acq On:	12 May 2025 15:06
Client Sample ID:	EO-02-05092025	Operator:	YP/AJ
Data file:	FC068830.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.639	695991	7.021	300	ug/ml
Aliphatic C12-C16	6.640	10.038	1715781	18.858	200	ug/ml
Aliphatic C16-C21	10.039	13.403	5382992	62.768	300	ug/ml
Aliphatic C21-C28	13.404	17.066	8365464	100.678	400	ug/ml
Aliphatic C28-C40	17.067	22.059	34939405	412.885	600	ug/ml
Aliphatic EPH	3.340	22.059	51099633	602.209		ug/ml
ortho-Terphenyl (SURR)	11.705	11.705	1875264	16.43		ug/ml
1-chlorooctadecane (SURR)	13.138	13.138	1855853	23.13		ug/ml
Aliphatic C9-C28	3.340	17.066	16160228	189.325	1200	ug/ml