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

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	06/04/25
Client Sample ID:	SU-03-06042025	SDG No.:	Q2225
Lab Sample ID:	Q2225-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 10:00	06/09/25 11:46	PB168322

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	81.5		5	6.37	10.8	mg/kg	FG015989.D
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1	0.98	4.32	mg/kg	FG015977.D
Total AliphaticEPH	Total AliphaticEPH	103			7.35	15.1	mg/kg	
Total EPH	Total EPH	103			7.35	15.1	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
FG015977.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.7		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.4	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2225-01	Acq On:	06 Jun 2025 22:00
Client Sample ID:	SU-03-06042025	Operator:	YP\AJ
Data file:	FG015977.D	Misc:	
Instrument:	FID_G	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	3972739	34.995	300	ug/ml
Aliphatic C12-C16	6.762	10.209	13087920	112.126	200	ug/ml
Aliphatic C16-C21	10.210	13.585	8443037	69.092	300	ug/ml
Aliphatic C21-C28	13.586	17.255	10232317	85.166	400	ug/ml
Aliphatic C28-C40	17.256	22.148	130962671	1190	600	ug/ml
Aliphatic EPH	3.118	22.148	166698684	1490		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	4591050	30.84		ug/ml
1-chlorooctadecane (SURR)	13.322	13.322	4084487	35.46		ug/ml
Aliphatic C9-C28	3.118	17.255	35736013	301.379	1200	ug/ml