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

Report of Analysis

Client:	PSEG	Date Collected:	02/20/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	02/20/25
Client Sample ID:	EO-02-02202025-E2	SDG No.:	Q1400
Lab Sample ID:	Q1400-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
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
02/21/25 08:29	02/24/25 12:20	PB166818

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	65.6		5	9.66	10.7	mg/kg	FE052462.D
Aliphatic C9-C28	Aliphatic C9-C28	163		5	9.23	21.5	mg/kg	FE052462.D
Total AliphaticEPH	Total AliphaticEPH	229			18.9	32.2	mg/kg	
Total EPH	Total EPH	229			18.9	32.2	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

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

Report of Analysis

Client:	PSEG	Date Collected:	02/20/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	02/20/25
Client Sample ID:	EO-02-02202025-E2	SDG No.:	Q1400
Lab Sample ID:	Q1400-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052454.D	1	02/21/25	02/21/25	PB166818

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		161	E	1.85	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		59.6	E	1.93	2.15	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.7		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.9		40 - 140	60%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1400-02	Acq On:	21 Feb 2025 22:46
Client Sample ID:	EO-02-02202025-E2	Operator:	YP\AJ
Data file:	FE052454.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.798	96698858	620.487	300	ug/ml
Aliphatic C12-C16	6.799	10.250	209564694	1310	200	ug/ml
Aliphatic C16-C21	10.251	13.629	38262023	238.366	300	ug/ml
Aliphatic C21-C28	13.630	17.300	13012895	83.736	400	ug/ml
Aliphatic C28-C40	17.301	22.215	109147376	833.284	600	ug/ml
Aliphatic EPH	3.154	22.215	466685846	3080		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	5589803	29.9		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	7050962	50.73		ug/ml
Aliphatic C9-C28	3.154	17.300	357538470	2250	1200	ug/ml