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

Report of Analysis

Client:	PSEG	Date Collected:	01/21/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	01/21/25
Client Sample ID:	PL-1-012125	SDG No.:	Q1142
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
01/22/25 08:25	01/22/25 15:38	PB166164

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.2		1	2.11	2.34	mg/kg	FE051999.D
Aliphatic C9-C28	Aliphatic C9-C28	14.2		1	2.01	4.68	mg/kg	FE051999.D
Total AliphaticEPH	Total AliphaticEPH	53.4			4.12	7.02	mg/kg	
Total EPH	Total EPH	53.4			4.12	7.02	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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Analytical Method:	NJEPH	% Solid:	85.3
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
01/22/25 08:25	01/22/25 15:38	PB166164

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Total AliphaticEPH	Total AliphaticEPH	53.4			4.12	7.02	mg/kg	
Total EPH	Total EPH	53.4			4.12	7.02	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.

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Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	01/21/25
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Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
FE051999.D	1	01/22/25	01/22/25	PB166164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.2		2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.2		2.11	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1142-01	Acq On:	22 Jan 2025 15:38
Client Sample ID:	PL-1-012125	Operator:	YP\AJ
Data file:	FE051999.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	3.576	7.131	819387	7.473	300	ug/ml
Aliphatic C12-C16	7.132	10.531	3662345	30.214	200	ug/ml
Aliphatic C16-C21	10.532	13.875	8950757	68.229	300	ug/ml
Aliphatic C21-C28	13.876	17.519	10027747	75.934	400	ug/ml
Aliphatic C28-C40	17.520	22.538	53954102	502.87	600	ug/ml
Aliphatic EPH	3.576	22.538	77414338	684.719		ug/ml
ortho-Terphenyl (SURR)	12.205	12.205	3799512	26.58		ug/ml
1-chlorooctadecane (SURR)	13.619	13.619	3211589	28		ug/ml
Aliphatic C9-C28	3.576	17.519	23460236	181.85	1200	ug/ml