

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	05/13/25
Client Sample ID:	PL-02-051325	SDG No.:	Q2024
Lab Sample ID:	Q2024-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 19:04	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.28		1	1.25	2.13	mg/kg FE053824.D
Aliphatic C9-C28	Aliphatic C9-C28	7.68		1	0.97	4.25	mg/kg FE053824.D
Total AliphaticEPH	Total AliphaticEPH	13.0			2.22	6.38	mg/kg
Total EPH	Total EPH	13.0			2.22	6.38	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

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	05/13/25
Client Sample ID:	PL-02-051325	SDG No.:	Q2024
Lab Sample ID:	Q2024-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.04 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
FE053824.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.68		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.28		1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.3		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.2		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2024-01	Acq On:	14 May 2025 19:04
Client Sample ID:	PL-02-051325	Operator:	YP\AJ
Data file:	FE053824.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	340068	2.509	300	ug/ml
Aliphatic C12-C16	6.743	10.189	1529580	11.335	200	ug/ml
Aliphatic C16-C21	10.190	13.562	4368424	33.116	300	ug/ml
Aliphatic C21-C28	13.563	17.229	7613711	61.313	400	ug/ml
Aliphatic C28-C40	17.230	22.109	8589897	74.416	600	ug/ml
Aliphatic EPH	3.101	22.109	22441680	182.69		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	5720092	35.2		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4303030	36.3		ug/ml
Aliphatic C9-C28	3.101	17.229	13851783	108.273	1200	ug/ml