

Report of Analysis

Client:	PSEG	Date Collected:	06/12/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/12/25
Client Sample ID:	TR-04-06122025	SDG No.:	Q2305
Lab Sample ID:	Q2305-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.2
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
06/13/25 09:00	06/13/25 13:56	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.1		1	1.20	2.03	mg/kg	FC069209.D
Aliphatic C9-C28	Aliphatic C9-C28	7.25		1	0.93	4.08	mg/kg	FC069209.D
Total AliphaticEPH	Total AliphaticEPH	42.4			2.13	6.11	mg/kg	
Total EPH	Total EPH	42.4			2.13	6.11	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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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
FC069209.D	1	06/13/25	06/13/25	PB168463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.25		0.93	4.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.1		1.20	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.7		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2305-01	Acq On:	13 Jun 2025 13:56
Client Sample ID:	TR-04-06122025	Operator:	YP/AJ
Data file:	FC069209.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	2251470	21.297	300	ug/ml
Aliphatic C12-C16	6.606	10.008	1899270	18.623	200	ug/ml
Aliphatic C16-C21	10.009	13.378	2284796	23.346	300	ug/ml
Aliphatic C21-C28	13.379	17.045	4107088	43.784	400	ug/ml
Aliphatic C28-C40	17.046	22.029	48832282	517.077	600	ug/ml
Aliphatic EPH	3.303	22.029	59374906	624.127		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	3535090	28.66		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2662628	29.68		ug/ml
Aliphatic C9-C28	3.303	17.045	10542624	107.05	1200	ug/ml