

Report of Analysis

Client:	PSEG	Date Collected:	09/03/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/03/25
Client Sample ID:	TR-04-090325-E2	SDG No.:	Q3009
Lab Sample ID:	Q3009-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/05/25 09:30	09/08/25 10:43	PB169567

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	113		5	6.15	10.4	mg/kg FE055711.D
Aliphatic C9-C28	Aliphatic C9-C28	23.2		1	0.95	4.17	mg/kg FE055698.D
Total AliphaticEPH	Total AliphaticEPH	136			7.10	14.6	mg/kg
Total EPH	Total EPH	136			7.10	14.6	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055698.D	1	09/05/25	09/05/25	PB169567

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.2		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	114	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3009-02	Acq On:	05 Sep 2025 19:41
Client Sample ID:	TR-04-090325-E2	Operator:	YP\AJ
Data file:	FE055698.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	2788513	21.717	300	ug/ml
Aliphatic C12-C16	6.946	10.397	14277418	105.684	200	ug/ml
Aliphatic C16-C21	10.398	13.775	18412981	127.675	300	ug/ml
Aliphatic C21-C28	13.776	17.446	11202300	78.209	400	ug/ml
Aliphatic C28-C40	17.447	22.456	226772829	1650	600	ug/ml
Aliphatic EPH	3.311	22.456	273454041	1980		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	4637654	28.23		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3802665	30.41		ug/ml
Aliphatic C9-C28	3.311	17.446	46681212	333.285	1200	ug/ml