

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	08/27/25
Client Sample ID:	TR-05-08272025-E2	SDG No.:	Q2969
Lab Sample ID:	Q2969-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
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
08/28/25 08:55	08/28/25 15:05	PB169432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1	1.30	2.20	mg/kg	FE055554.D
Aliphatic C9-C28	Aliphatic C9-C28	7.19		1	1.00	4.40	mg/kg	FE055554.D
Total AliphaticEPH	Total AliphaticEPH	38.3			2.30	6.60	mg/kg	
Total EPH	Total EPH	38.3			2.30	6.60	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
FE055554.D	1	08/28/25	08/28/25	PB169432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.19		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.6		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2969-02	Acq On:	28 Aug 2025 15:05
Client Sample ID:	TR-05-08272025-E2	Operator:	YP\AJ
Data file:	FE055554.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	573180	4.464	300	ug/ml
Aliphatic C12-C16	6.949	10.400	1343985	9.948	200	ug/ml
Aliphatic C16-C21	10.401	13.779	8514729	59.041	300	ug/ml
Aliphatic C21-C28	13.780	17.450	3504284	24.465	400	ug/ml
Aliphatic C28-C40	17.451	22.465	58260579	423.037	600	ug/ml
Aliphatic EPH	3.314	22.465	72196757	520.956		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6671712	40.61		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	5275835	42.19		ug/ml
Aliphatic C9-C28	3.314	17.450	13936178	97.918	1200	ug/ml