

Report of Analysis

Client:	PSEG	Date Collected:	08/21/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	08/21/25
Client Sample ID:	TR-04-08212025	SDG No.:	Q2926
Lab Sample ID:	Q2926-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 08:20	08/26/25 7:52	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	103		5	6.50	11.0	mg/kg FE055494.D
Aliphatic C9-C28	Aliphatic C9-C28	76.8		1	1.00	4.40	mg/kg FE055479.D
Total AliphaticEPH	Total AliphaticEPH	180			7.50	15.4	mg/kg
Total EPH	Total EPH	180			7.50	15.4	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055479.D	1	08/25/25	08/25/25	PB169369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.8		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	102	E	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	371		40 - 140	742%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2926-01	Acq On:	25 Aug 2025 13:16
Client Sample ID:	TR-04-08212025	Operator:	YP\AJ
Data file:	FE055479.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	3.318	6.954	10763964	92.171	300	ug/ml
Aliphatic C12-C16	6.955	10.408	48971963	391.065	200	ug/ml
Aliphatic C16-C21	10.409	13.788	58429059	462.237	300	ug/ml
Aliphatic C21-C28	13.789	17.461	12107861	100.475	400	ug/ml
Aliphatic C28-C40	17.462	22.488	159053576	1400	600	ug/ml
Aliphatic EPH	3.318	22.488	289326423	2440		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	4012533	28.1		ug/ml
1-chlorooctadecane (SURR)	13.530	13.530	39875681	370.85		ug/ml
Aliphatic C9-C28	3.318	17.461	130272847	1050	1200	ug/ml