

Report of Analysis

Client:	PSEG	Date Collected:	09/16/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/16/25
Client Sample ID:	TR-05-09162025-E2	SDG No.:	Q3115
Lab Sample ID:	Q3115-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/17/25 09:40	09/18/25 9:11	PB169727

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	55.7		2	2.52	4.28	mg/kg FE055889.D
Aliphatic C9-C28	Aliphatic C9-C28	23.0		1	0.97	4.28	mg/kg FE055880.D
Total AliphaticEPH	Total AliphaticEPH	78.7			3.49	8.56	mg/kg
Total EPH	Total EPH	78.7			3.49	8.56	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
FE055880.D	1	09/17/25	09/17/25	PB169727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.0		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.1	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3115-02	Acq On:	17 Sep 2025 18:10
Client Sample ID:	TR-05-09162025-E2	Operator:	YP\AJ
Data file:	FE055880.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	4364322	33.989	300	ug/ml
Aliphatic C12-C16	6.946	10.397	19359643	143.304	200	ug/ml
Aliphatic C16-C21	10.398	13.776	15067930	104.481	300	ug/ml
Aliphatic C21-C28	13.777	17.448	5878691	41.042	400	ug/ml
Aliphatic C28-C40	17.449	22.462	100768611	731.694	600	ug/ml
Aliphatic EPH	3.311	22.462	145439197	1050		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5799149	35.3		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	4462066	35.68		ug/ml
Aliphatic C9-C28	3.311	17.448	44670586	322.816	1200	ug/ml