

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	SDG No.:	Q3115
Lab Sample ID:	Q3115-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.4
Sample Wt/Vol:	30.09 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	09/17/25 16:08	PB169727

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1	1.22	2.07	mg/kg FE055876.D
Aliphatic C9-C28	Aliphatic C9-C28	16.8		1	0.94	4.13	mg/kg FE055876.D
Total AliphaticEPH	Total AliphaticEPH	46.5			2.16	6.20	mg/kg
Total EPH	Total EPH	46.5			2.16	6.20	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
FE055876.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	16.8		0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.6		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.8		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3115-01	Acq On:	17 Sep 2025 16:08
Client Sample ID:	TR-05-09162025	Operator:	YP\AJ
Data file:	FE055876.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	3619651	28.19	300	ug/ml
Aliphatic C12-C16	6.946	10.397	12765227	94.491	200	ug/ml
Aliphatic C16-C21	10.398	13.776	13397709	92.9	300	ug/ml
Aliphatic C21-C28	13.777	17.448	4052805	28.295	400	ug/ml
Aliphatic C28-C40	17.449	22.462	59422122	431.472	600	ug/ml
Aliphatic EPH	3.311	22.462	93257514	675.346		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	7351338	44.75		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	5703465	45.61		ug/ml
Aliphatic C9-C28	3.311	17.448	33835392	243.876	1200	ug/ml