

Report of Analysis

Client:	PSEG	Date Collected:	07/09/25
Project:	Trenton Gas District	Date Received:	07/09/25
Client Sample ID:	TR-04-7.9-2025	SDG No.:	Q2537
Lab Sample ID:	Q2537-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/10/25 09:25	07/10/25 16:52	PB168786

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.5		1	1.30	2.21	mg/kg FE054783.D
Aliphatic C9-C28	Aliphatic C9-C28	52.1		1	1.00	4.41	mg/kg FE054783.D
Total AliphaticEPH	Total AliphaticEPH	87.6			2.30	6.62	mg/kg
Total EPH	Total EPH	87.6			2.30	6.62	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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Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054783.D	1	07/10/25	07/10/25	PB168786

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	52.1		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.5		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.1		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2537-01	Acq On:	10 Jul 2025 16:52
Client Sample ID:	TR-04-7.9-2025	Operator:	YP\AJ
Data file:	FE054783.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	3358237	24.683	300	ug/ml
Aliphatic C12-C16	6.953	10.404	41974965	298.609	200	ug/ml
Aliphatic C16-C21	10.405	13.781	46712361	323.507	300	ug/ml
Aliphatic C21-C28	13.782	17.452	8865436	61.288	400	ug/ml
Aliphatic C28-C40	17.453	22.471	66879045	482.368	600	ug/ml
Aliphatic EPH	3.319	22.471	167790044	1190		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	4250053	26.17		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3175755	25.15		ug/ml
Aliphatic C9-C28	3.319	17.452	100910999	708.087	1200	ug/ml