

Report of Analysis

Client:	PSEG	Date Collected:	01/03/25
Project:	Trenton Gas District	Date Received:	01/03/25
Client Sample ID:	TR-04-010325	SDG No.:	Q1010
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/06/25 08:35	01/07/25 8:29	PB165958

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	55.0		5	10.1	11.2	mg/kg FE051855.D
Aliphatic C9-C28	Aliphatic C9-C28	170		5	9.65	22.4	mg/kg FE051855.D
Total AliphaticEPH	Total AliphaticEPH	225			19.8	33.6	mg/kg
Total EPH	Total EPH	225			19.8	33.6	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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Sample Wt/Vol:	30.06 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
FE051848.D	1	01/06/25	01/06/25	PB165958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	149	E	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.2	E	2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1010-01	Acq On:	06 Jan 2025 16:44
Client Sample ID:	TR-04-010325	Operator:	YP\AJ
Data file:	FE051848.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	3.411	7.008	25084577	220.246	300	ug/ml
Aliphatic C12-C16	7.009	10.438	99388209	801.943	200	ug/ml
Aliphatic C16-C21	10.439	13.803	95198564	721.081	300	ug/ml
Aliphatic C21-C28	13.804	17.462	32619294	249.015	400	ug/ml
Aliphatic C28-C40	17.463	22.474	71690090	656.835	600	ug/ml
Aliphatic EPH	3.411	22.474	323980734	2650		ug/ml
ortho-Terphenyl (SURR)	12.128	12.128	3849345	26.56		ug/ml
1-chlorooctadecane (SURR)	13.558	13.558	4074068	35.45		ug/ml
Aliphatic C9-C28	3.411	17.462	252290644	1990	1200	ug/ml