

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-E2	SDG No.:	Q1010
Lab Sample ID:	Q1010-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/06/25 08:35	01/07/25 8:59	PB165958

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	77.7		2	4.18	4.64	mg/kg	FE051856.D
Aliphatic C9-C28	Aliphatic C9-C28	138		2	4.00	9.28	mg/kg	FE051856.D
Total AliphaticEPH	Total AliphaticEPH	215			8.18	13.9	mg/kg	
Total EPH	Total EPH	215			8.18	13.9	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
FE051849.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	127	E	2.00	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	73.5	E	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1010-03	Acq On:	06 Jan 2025 17:14
Client Sample ID:	TR-04-010325-E2	Operator:	YP\AJ
Data file:	FE051849.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.411	7.008	25750426	226.092	300	ug/ml
Aliphatic C12-C16	7.009	10.438	95141406	767.676	200	ug/ml
Aliphatic C16-C21	10.439	13.803	66166849	501.18	300	ug/ml
Aliphatic C21-C28	13.804	17.462	18629461	142.217	400	ug/ml
Aliphatic C28-C40	17.463	22.474	103665376	949.798	600	ug/ml
Aliphatic EPH	3.411	22.474	309353518	2590		ug/ml
ortho-Terphenyl (SURR)	12.130	12.130	4101349	28.29		ug/ml
1-chlorooctadecane (SURR)	13.560	13.560	4080461	35.51		ug/ml
Aliphatic C9-C28	3.411	17.462	205688142	1640	1200	ug/ml