

Report of Analysis

Client:	PSEG	Date Collected:	04/30/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	04/30/25
Client Sample ID:	TR-05-04302025-E2	SDG No.:	Q1923
Lab Sample ID:	Q1923-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/01/25 08:45	05/01/25 18:18	PB167819

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	1.30	2.21	mg/kg FE053613.D
Aliphatic C9-C28	Aliphatic C9-C28	85.1		1	1.01	4.43	mg/kg FE053613.D
Total AliphaticEPH	Total AliphaticEPH	120			2.31	6.64	mg/kg
Total EPH	Total EPH	120			2.31	6.64	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053613.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	85.1		1.01	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1923-02	Acq On:	01 May 2025 18:18
Client Sample ID:	TR-05-04302025-E2	Operator:	YP\AJ
Data file:	FE053613.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.754	14543727	104.962	300	ug/ml
Aliphatic C12-C16	6.755	10.203	76290118	537.989	200	ug/ml
Aliphatic C16-C21	10.204	13.577	62493391	429.91	300	ug/ml
Aliphatic C21-C28	13.578	17.245	11633110	81.823	400	ug/ml
Aliphatic C28-C40	17.246	22.133	61867659	479.411	600	ug/ml
Aliphatic EPH	3.114	22.133	226828005	1630		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	5579681	30.94		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	4273337	31.61		ug/ml
Aliphatic C9-C28	3.114	17.245	164960346	1150	1200	ug/ml