

Report of Analysis

Client:	PSEG	Date Collected:	02/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/24/25
Client Sample ID:	TR-06-02242025-E2	SDG No.:	Q1418
Lab Sample ID:	Q1418-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/25/25 08:35	02/25/25 16:18	PB166852

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	43.2		1	2.06	2.28	mg/kg FE052493.D
Aliphatic C9-C28	Aliphatic C9-C28	120		2	3.93	9.13	mg/kg FE052509.D
Total AliphaticEPH	Total AliphaticEPH	163			5.99	11.4	mg/kg
Total EPH	Total EPH	163			5.99	11.4	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
FE052493.D	1	02/25/25	02/25/25	PB166852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	112	E	1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.2		2.06	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.9		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1418-02	Acq On:	25 Feb 2025 16:18
Client Sample ID:	TR-06-02242025-E2	Operator:	YP\AJ
Data file:	FE052493.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.800	29158482	187.101	300	ug/ml
Aliphatic C12-C16	6.801	10.255	107111949	667.463	200	ug/ml
Aliphatic C16-C21	10.256	13.635	86725680	540.287	300	ug/ml
Aliphatic C21-C28	13.636	17.309	11252511	72.408	400	ug/ml
Aliphatic C28-C40	17.310	22.233	74372646	567.797	600	ug/ml
Aliphatic EPH	3.155	22.233	308621268	2040		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	5404591	28.91		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	3770432	27.13		ug/ml
Aliphatic C9-C28	3.155	17.309	234248622	1470	1200	ug/ml