

Report of Analysis

Client:	PSEG	Date Collected:	02/28/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025-E2	SDG No.:	Q1475
Lab Sample ID:	Q1475-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/04/25 08:45	03/04/25 15:48	PB166965

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	1.89	2.10	mg/kg FE052589.D
Aliphatic C9-C28	Aliphatic C9-C28	25.5		1	1.81	4.20	mg/kg FE052589.D
Total AliphaticEPH	Total AliphaticEPH	37.2			3.70	6.30	mg/kg
Total EPH	Total EPH	37.2			3.70	6.30	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
FE052589.D	1	03/04/25	03/04/25	PB166965

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	25.5		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.5		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1475-02	Acq On:	04 Mar 2025 15:48
Client Sample ID:	TR-04-02282025-E2	Operator:	YP\AJ
Data file:	FE052589.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.795	1474402	9.454	300	ug/ml
Aliphatic C12-C16	6.796	10.246	13378712	87.961	200	ug/ml
Aliphatic C16-C21	10.247	13.626	25610998	174.762	300	ug/ml
Aliphatic C21-C28	13.627	17.298	13005551	91.298	400	ug/ml
Aliphatic C28-C40	17.299	22.215	21331101	167.186	600	ug/ml
Aliphatic EPH	3.152	22.215	74800764	530.661		ug/ml
ortho-Terphenyl (SURR)	11.911	11.911	5813785	34.49		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	4600431	37.89		ug/ml
Aliphatic C9-C28	3.152	17.298	53469663	363.475	1200	ug/ml