

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/05/25
Client Sample ID:	TR-05-060525-E2	SDG No.:	Q2248
Lab Sample ID:	Q2248-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/09/25 20:11	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	40.2		1	1.30	2.20	mg/kg	FE054256.D
Aliphatic C9-C28	Aliphatic C9-C28	15.8		1	1.00	4.40	mg/kg	FE054256.D
Total AliphaticEPH	Total AliphaticEPH	56.0			2.30	6.60	mg/kg	
Total EPH	Total EPH	56.0			2.30	6.60	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
FE054256.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.8		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.2		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2248-02	Acq On:	09 Jun 2025 20:11
Client Sample ID:	TR-05-060525-E2	Operator:	YP\AJ
Data file:	FE054256.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	3.082	6.727	403926	2.98	300	ug/ml
Aliphatic C12-C16	6.728	10.174	3154637	23.378	200	ug/ml
Aliphatic C16-C21	10.175	13.548	7865424	59.627	300	ug/ml
Aliphatic C21-C28	13.549	17.217	16059693	129.329	400	ug/ml
Aliphatic C28-C40	17.218	22.094	63134321	546.945	600	ug/ml
Aliphatic EPH	3.082	22.094	90618001	762.258		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	4745766	29.2		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4161908	35.11		ug/ml
Aliphatic C9-C28	3.082	17.217	27483680	215.314	1200	ug/ml