

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	SDG No.:	Q2248
Lab Sample ID:	Q2248-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
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
06/09/25 08:30	06/10/25 13:16	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	46.6		2	2.52	4.26	mg/kg	FE054284.D
Aliphatic C9-C28	Aliphatic C9-C28	23.0		1	0.97	4.27	mg/kg	FE054255.D
Total AliphaticEPH	Total AliphaticEPH	69.6			3.49	8.53	mg/kg	
Total EPH	Total EPH	69.6			3.49	8.53	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
FE054255.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	23.0		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	45.6	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2248-01	Acq On:	09 Jun 2025 19:41
Client Sample ID:	TR-05-060525	Operator:	YP\AJ
Data file:	FE054255.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	3.082	6.727	452196	3.336	300	ug/ml
Aliphatic C12-C16	6.728	10.174	5293599	39.229	200	ug/ml
Aliphatic C16-C21	10.175	13.548	13479409	102.186	300	ug/ml
Aliphatic C21-C28	13.549	17.217	22239491	179.095	400	ug/ml
Aliphatic C28-C40	17.218	22.094	74071694	641.698	600	ug/ml
Aliphatic EPH	3.082	22.094	115536389	965.543		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	5281884	32.5		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4687700	39.54		ug/ml
Aliphatic C9-C28	3.082	17.217	41464695	323.846	1200	ug/ml