

Report of Analysis

Client:	PSEG	Date Collected:	06/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/24/25
Client Sample ID:	TR-05-062425	SDG No.:	Q2412
Lab Sample ID:	Q2412-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 19:22	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.22	2.06	mg/kg FE054583.D
Aliphatic C9-C28	Aliphatic C9-C28	105		2	1.87	8.25	mg/kg FE054597.D
Total AliphaticEPH	Total AliphaticEPH	126			3.09	10.3	mg/kg
Total EPH	Total EPH	126			3.09	10.3	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
FE054583.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	100	E	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1.22	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2412-01	Acq On:	25 Jun 2025 19:22
Client Sample ID:	TR-05-062425	Operator:	YP\AJ
Data file:	FE054583.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	3.071	6.716	8496061	67.83	300	ug/ml
Aliphatic C12-C16	6.717	10.163	75985957	579.375	200	ug/ml
Aliphatic C16-C21	10.164	13.535	92345045	689.523	300	ug/ml
Aliphatic C21-C28	13.536	17.204	15792619	124.284	400	ug/ml
Aliphatic C28-C40	17.205	22.072	39023702	304.289	600	ug/ml
Aliphatic EPH	3.071	22.072	231643384	1770		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5555578	33.62		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3660771	30.02		ug/ml
Aliphatic C9-C28	3.071	17.204	192619682	1460	1200	ug/ml