

Report of Analysis

Client:	PSEG	Date Collected:	01/29/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	01/29/25
Client Sample ID:	TR-06-01292025	SDG No.:	Q1220
Lab Sample ID:	Q1220-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/30/25 09:40	01/30/25 15:47	PB166362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	31.5		1	1.92	2.14	mg/kg FF015395.D
Aliphatic C9-C28	Aliphatic C9-C28	112		2	3.68	8.56	mg/kg FF015408.D
Total AliphaticEPH	Total AliphaticEPH	144			5.60	10.7	mg/kg
Total EPH	Total EPH	144			5.60	10.7	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015395.D	1	01/30/25	01/30/25	PB166362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	102	E	1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.5		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1220-01	Acq On:	30 Jan 2025 15:47
Client Sample ID:	TR-06-01292025	Operator:	YP\AJ
Data file:	FF015395.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.832	19085546	143.185	300	ug/ml
Aliphatic C12-C16	6.833	10.265	91938053	664.276	200	ug/ml
Aliphatic C16-C21	10.266	13.632	75301574	521.27	300	ug/ml
Aliphatic C21-C28	13.633	17.297	13910478	97.675	400	ug/ml
Aliphatic C28-C40	17.298	22.204	46261814	441.908	600	ug/ml
Aliphatic EPH	3.214	22.204	246497465	1870		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	5325990	33.5		ug/ml
1-chlorooctadecane (SURR)	13.367	13.367	4309650	34.57		ug/ml
Aliphatic C9-C28	3.214	17.297	200235651	1430	1200	ug/ml