

Report of Analysis

Client:	PSEG	Date Collected:	10/07/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/07/25
Client Sample ID:	TR-05-100725	SDG No.:	Q3304
Lab Sample ID:	Q3304-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.2
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
10/08/25 09:45	10/08/25 21:47	PB170021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1	1.24	2.10	mg/kg	FE056261.D
Aliphatic C9-C28	Aliphatic C9-C28	14.8		1	0.95	4.20	mg/kg	FE056261.D
Total AliphaticEPH	Total AliphaticEPH	44.2			2.19	6.30	mg/kg	
Total EPH	Total EPH	44.2			2.19	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056261.D	1	10/08/25	10/08/25	PB170021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.8		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3304-03	Acq On:	08 Oct 2025 21:47
Client Sample ID:	TR-05-100725	Operator:	YP\AJ
Data file:	FE056261.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.940	777071	5.549	300	ug/ml
Aliphatic C12-C16	6.941	10.391	7424010	48.404	200	ug/ml
Aliphatic C16-C21	10.392	13.768	11730951	70.72	300	ug/ml
Aliphatic C21-C28	13.769	17.438	12897384	86.835	400	ug/ml
Aliphatic C28-C40	17.439	22.440	57311228	420.627	600	ug/ml
Aliphatic EPH	3.306	22.440	90140644	632.135		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	5613681	29.92		ug/ml
1-chlorooctadecane (SURR)	13.500	13.500	4555454	32.64		ug/ml
Aliphatic C9-C28	3.306	17.438	32829416	211.508	1200	ug/ml