

Report of Analysis

Client:	PSEG	Date Collected:	03/20/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	03/20/25
Client Sample ID:	TR-04-032025-E2	SDG No.:	Q1614
Lab Sample ID:	Q1614-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/21/25 09:40	03/22/25 1:54	PB167255

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	97.4		5	6.23	10.6	mg/kg FE052931.D
Aliphatic C9-C28	Aliphatic C9-C28	37.9		1	0.96	4.23	mg/kg FE052924.D
Total AliphaticEPH	Total AliphaticEPH	135			7.19	14.8	mg/kg
Total EPH	Total EPH	135			7.19	14.8	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052924.D	1	03/21/25	03/21/25	PB167255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	37.9		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	86.3	E	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1614-02	Acq On:	21 Mar 2025 21:21
Client Sample ID:	TR-04-032025-E2	Operator:	YP\AJ
Data file:	FE052924.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	3.144	6.788	6862818	44.007	300	ug/ml
Aliphatic C12-C16	6.789	10.240	34429602	226.364	200	ug/ml
Aliphatic C16-C21	10.241	13.619	27518042	187.775	300	ug/ml
Aliphatic C21-C28	13.620	17.290	11449702	80.376	400	ug/ml
Aliphatic C28-C40	17.291	22.206	156574793	1230	600	ug/ml
Aliphatic EPH	3.144	22.206	236834957	1770		ug/ml
ortho-Terphenyl (SURR)	11.906	11.906	6000940	35.6		ug/ml
1-chlorooctadecane (SURR)	13.351	13.351	4562412	37.57		ug/ml
Aliphatic C9-C28	3.144	17.290	80260164	538.522	1200	ug/ml