

Report of Analysis

Client:	PSEG	Date Collected:	06/12/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/12/25
Client Sample ID:	TR-04-06122025-E2	SDG No.:	Q2305
Lab Sample ID:	Q2305-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/13/25 09:00	06/13/25 19:20	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	73.7		10	12.4	21.1	mg/kg FC069216.D
Aliphatic C9-C28	Aliphatic C9-C28	27.2		1	0.96	4.21	mg/kg FC069210.D
Total AliphaticEPH	Total AliphaticEPH	101			13.4	25.3	mg/kg
Total EPH	Total EPH	101			13.4	25.3	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
FC069210.D	1	06/13/25	06/13/25	PB168463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27.2		0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.1	E	1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2305-02	Acq On:	13 Jun 2025 15:17
Client Sample ID:	TR-04-06122025-E2	Operator:	YP/AJ
Data file:	FC069210.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	2792282	26.413	300	ug/ml
Aliphatic C12-C16	6.606	10.008	13354170	130.942	200	ug/ml
Aliphatic C16-C21	10.009	13.378	12822325	131.02	300	ug/ml
Aliphatic C21-C28	13.379	17.045	9289205	99.028	400	ug/ml
Aliphatic C28-C40	17.046	22.029	84766565	897.58	600	ug/ml
Aliphatic EPH	3.303	22.029	123024547	1280		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	3315998	26.88		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2555631	28.49		ug/ml
Aliphatic C9-C28	3.303	17.045	38257982	387.403	1200	ug/ml