

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	04/11/25
Client Sample ID:	TR-05-041125	SDG No.:	Q1792
Lab Sample ID:	Q1792-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/14/25 16:26	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	39.3		1	1.31	2.22	mg/kg FC068594.D
Aliphatic C9-C28	Aliphatic C9-C28	23.1		1	1.01	4.44	mg/kg FC068594.D
Total AliphaticEPH	Total AliphaticEPH	62.4			2.32	6.66	mg/kg
Total EPH	Total EPH	62.4			2.32	6.66	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
FC068594.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.1		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.3		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.7		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1792-01	Acq On:	14 Apr 2025 16:26
Client Sample ID:	TR-05-041125	Operator:	YP/AJ
Data file:	FC068594.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.646	1386381	13.168	300	ug/ml
Aliphatic C12-C16	6.647	10.047	12853069	125.613	200	ug/ml
Aliphatic C16-C21	10.048	13.414	12068252	122.128	300	ug/ml
Aliphatic C21-C28	13.415	17.080	4826052	51.24	400	ug/ml
Aliphatic C28-C40	17.081	22.088	47760930	531.369	600	ug/ml
Aliphatic EPH	3.345	22.088	78894684	843.518		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4041747	31.74		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	2993230	32.22		ug/ml
Aliphatic C9-C28	3.345	17.080	31133754	312.149	1200	ug/ml