

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-E2	SDG No.:	Q1792
Lab Sample ID:	Q1792-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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	04/15/25 9:30	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	94.7		5	6.56	11.1	mg/kg FC068604.D
Aliphatic C9-C28	Aliphatic C9-C28	12.9		1	1.01	4.44	mg/kg FC068598.D
Total AliphaticEPH	Total AliphaticEPH	108			7.57	15.5	mg/kg
Total EPH	Total EPH	108			7.57	15.5	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
FC068598.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	12.9		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	101	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1792-02	Acq On:	14 Apr 2025 18:54
Client Sample ID:	TR-05-041125-E2	Operator:	YP/AJ
Data file:	FC068598.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.646	1300373	12.351	300	ug/ml
Aliphatic C12-C16	6.647	10.047	5822786	56.906	200	ug/ml
Aliphatic C16-C21	10.048	13.414	5137461	51.99	300	ug/ml
Aliphatic C21-C28	13.415	17.080	4951115	52.568	400	ug/ml
Aliphatic C28-C40	17.081	22.088	122904513	1370	600	ug/ml
Aliphatic EPH	3.345	22.088	140116248	1540		ug/ml
ortho-Terphenyl (SURR)	11.722	11.722	3431519	26.95		ug/ml
1-chlorooctadecane (SURR)	13.156	13.156	2578375	27.76		ug/ml
Aliphatic C9-C28	3.345	17.080	17211735	173.815	1200	ug/ml