

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	04/04/25
Client Sample ID:	TR-06-040725	SDG No.:	Q1742
Lab Sample ID:	Q1742-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
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
04/08/25 10:10	04/08/25 17:03	PB167512

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	1.35	2.28	mg/kg FE053243.D
Aliphatic C9-C28	Aliphatic C9-C28	30.3		1	1.04	4.56	mg/kg FE053243.D
Total AliphaticEPH	Total AliphaticEPH	42.0			2.39	6.84	mg/kg
Total EPH	Total EPH	42.0			2.39	6.84	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
FE053243.D	1	04/08/25	04/08/25	PB167512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	30.3		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.2		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1742-01	Acq On:	08 Apr 2025 17:03
Client Sample ID:	TR-06-040725	Operator:	YP\AJ
Data file:	FE053243.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.782	5477411	35.104	300	ug/ml
Aliphatic C12-C16	6.783	10.234	25811007	168.006	200	ug/ml
Aliphatic C16-C21	10.235	13.613	20533700	142.262	300	ug/ml
Aliphatic C21-C28	13.614	17.285	7107169	52.901	400	ug/ml
Aliphatic C28-C40	17.286	22.199	19154503	154.153	600	ug/ml
Aliphatic EPH	3.139	22.199	78083790	552.427		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	3811923	23.4		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	2907177	24.22		ug/ml
Aliphatic C9-C28	3.139	17.285	58929287	398.273	1200	ug/ml