

Report of Analysis

Client:	PSEG	Date Collected:	02/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/24/25
Client Sample ID:	TR-06-02242025	SDG No.:	Q1418
Lab Sample ID:	Q1418-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
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
02/25/25 08:35	02/26/25 9:16	PB166852

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	70.6		5	10.1	11.3	mg/kg FE052508.D
Aliphatic C9-C28	Aliphatic C9-C28	38.8		1	1.94	4.51	mg/kg FE052492.D
Total AliphaticEPH	Total AliphaticEPH	109			12.0	15.8	mg/kg
Total EPH	Total EPH	109			12.0	15.8	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052492.D	1	02/25/25	02/25/25	PB166852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	38.8		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	69.7	E	2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.5		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1418-01	Acq On:	25 Feb 2025 15:48
Client Sample ID:	TR-06-02242025	Operator:	YP\AJ
Data file:	FE052492.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	3.155	6.800	10447147	67.036	300	ug/ml
Aliphatic C12-C16	6.801	10.255	35683627	222.361	200	ug/ml
Aliphatic C16-C21	10.256	13.635	27162263	169.216	300	ug/ml
Aliphatic C21-C28	13.636	17.309	8918516	57.389	400	ug/ml
Aliphatic C28-C40	17.310	22.233	121429376	927.05	600	ug/ml
Aliphatic EPH	3.155	22.233	203640929	1440		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	4949839	26.48		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	3965992	28.53		ug/ml
Aliphatic C9-C28	3.155	17.309	82211553	516.002	1200	ug/ml