

Report of Analysis

Client:	PSEG	Date Collected:	10/03/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/03/25
Client Sample ID:	TR-01-100325	SDG No.:	Q3288
Lab Sample ID:	Q3288-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/06/25 08:00	10/06/25 19:04	PB169990

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.6		1	1.27	2.15	mg/kg	FE056206.D
Aliphatic C9-C28	Aliphatic C9-C28	57.1		1	0.98	4.29	mg/kg	FE056206.D
Total AliphaticEPH	Total AliphaticEPH	91.7			2.25	6.44	mg/kg	
Total EPH	Total EPH	91.7			2.25	6.44	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
FE056206.D	1	10/06/25	10/06/25	PB169990

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	57.1		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.6		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.2		40 - 140	46%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3288-01	Acq On:	06 Oct 2025 19:04
Client Sample ID:	TR-01-100325	Operator:	YP\AJ
Data file:	FE056206.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	5664657	40.454	300	ug/ml
Aliphatic C12-C16	6.946	10.396	43803603	285.595	200	ug/ml
Aliphatic C16-C21	10.397	13.775	50659734	305.4	300	ug/ml
Aliphatic C21-C28	13.776	17.444	24653881	165.989	400	ug/ml
Aliphatic C28-C40	17.445	22.453	65801085	482.937	600	ug/ml
Aliphatic EPH	3.311	22.453	190582960	1280		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	4350533	23.18		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	3783315	27.11		ug/ml
Aliphatic C9-C28	3.311	17.444	124781875	797.438	1200	ug/ml