

Report of Analysis

Client:	PSEG	Date Collected:	01/10/25
Project:	Trenton Gas District	Date Received:	01/10/25
Client Sample ID:	TR-06-1-10-2025	SDG No.:	Q1068
Lab Sample ID:	Q1068-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/13/25 08:55	01/14/25 9:08	PB166034

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	66.8		2	3.98	4.42	mg/kg	FE051909.D
Aliphatic C9-C28	Aliphatic C9-C28	9.08		1	1.90	4.41	mg/kg	FE051903.D
Total AliphaticEPH	Total AliphaticEPH	75.9			5.88	8.83	mg/kg	
Total EPH	Total EPH	75.9			5.88	8.83	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
FE051903.D	1	01/13/25	01/13/25	PB166034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.08		1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.9	E	1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1068-02	Acq On:	13 Jan 2025 16:34
Client Sample ID:	TR-06-1-10-2025	Operator:	YP\AJ
Data file:	FE051903.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.465	7.055	941049	8.263	300	ug/ml
Aliphatic C12-C16	7.056	10.481	3108197	25.079	200	ug/ml
Aliphatic C16-C21	10.482	13.843	5144538	38.967	300	ug/ml
Aliphatic C21-C28	13.844	17.498	6667004	50.896	400	ug/ml
Aliphatic C28-C40	17.499	22.531	97735206	895.465	600	ug/ml
Aliphatic EPH	3.465	22.531	113595994	1020		ug/ml
ortho-Terphenyl (SURR)	12.154	12.154	3629259	25.04		ug/ml
1-chlorooctadecane (SURR)	13.581	13.581	3194355	27.8		ug/ml
Aliphatic C9-C28	3.465	17.498	15860788	123.205	1200	ug/ml