

Report of Analysis

Client:	PSEG	Date Collected:	02/14/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/14/25
Client Sample ID:	TR-05-02142025	SDG No.:	Q1374
Lab Sample ID:	Q1374-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
02/17/25 08:56	02/17/25 14:53	PB166742

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1	1.96	2.18	mg/kg FC068275.D
Aliphatic C9-C28	Aliphatic C9-C28	138		5	9.37	21.8	mg/kg FC068280.D
Total AliphaticEPH	Total AliphaticEPH	168			11.3	24.0	mg/kg
Total EPH	Total EPH	168			11.3	24.0	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
FC068275.D	1	02/17/25	02/17/25	PB166742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	135	E	1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1374-01	Acq On:	17 Feb 2025 14:53
Client Sample ID:	TR-05-02142025	Operator:	YP/AJ
Data file:	FC068275.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.106	6.372	27780421	196.975	300	ug/ml
Aliphatic C12-C16	6.373	9.757	111608681	816.722	200	ug/ml
Aliphatic C16-C21	9.758	13.111	90933591	690.823	300	ug/ml
Aliphatic C21-C28	13.112	16.765	18351552	149.575	400	ug/ml
Aliphatic C28-C40	16.766	21.569	42776337	415.924	600	ug/ml
Aliphatic EPH	3.106	21.569	291450582	2270		ug/ml
ortho-Terphenyl (SURR)	11.403	11.403	6000920	38.4		ug/ml
1-chlorooctadecane (SURR)	12.844	12.844	4247892	36.94		ug/ml
Aliphatic C9-C28	3.106	16.765	248674245	1850	1200	ug/ml