

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/25/24
Client Sample ID:	TR-05-102524	SDG No.:	P4577
Lab Sample ID:	P4577-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
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
10/26/24 09:00	10/29/24 8:31	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	82.4		5	9.62	10.7	mg/kg	FE050874.D
Aliphatic C9-C28	Aliphatic C9-C28	6.96		1	1.84	4.27	mg/kg	FE050864.D
Total AliphaticEPH	Total AliphaticEPH	89.4			11.5	15.0	mg/kg	
Total EPH	Total EPH	89.4			11.5	15.0	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
FE050864.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.96		1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.1	E	1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4577-01	Acq On:	28 Oct 2024 16:53
Client Sample ID:	TR-05-102524	Operator:	YP\AJ
Data file:	FE050864.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.765	1496394	10.472	300	ug/ml
Aliphatic C12-C16	6.766	10.198	1464004	10.088	200	ug/ml
Aliphatic C16-C21	10.199	13.558	1699801	11.771	300	ug/ml
Aliphatic C21-C28	13.559	17.213	9305686	65.462	400	ug/ml
Aliphatic C28-C40	17.214	22.064	163345472	1180	600	ug/ml
Aliphatic EPH	3.147	22.064	177311357	1280		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4830113	30.64		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	3794518	32.08		ug/ml
Aliphatic C9-C28	3.147	17.213	13965885	97.793	1200	ug/ml