

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	11/21/24
Client Sample ID:	TR-05-112124	SDG No.:	P4954
Lab Sample ID:	P4954-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/22/24 09:25	11/22/24 18:39	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.6		1	2.06	2.28	mg/kg FE051415.D
Aliphatic C9-C28	Aliphatic C9-C28	289		5	9.82	22.9	mg/kg FE051432.D
Total AliphaticEPH	Total AliphaticEPH	324			11.9	25.1	mg/kg
Total EPH	Total EPH	324			11.9	25.1	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

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	11/21/24
Client Sample ID:	TR-05-112124	SDG No.:	P4954
Lab Sample ID:	P4954-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051415.D	1	11/22/24	11/22/24	PB165186

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	255	E	1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.6		2.06	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.4		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4954-01	Acq On:	22 Nov 2024 18:39
Client Sample ID:	TR-05-112124	Operator:	YP\AJ
Data file:	FE051415.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	60343868	431.29	300	ug/ml
Aliphatic C12-C16	6.745	10.177	212407573	1510	200	ug/ml
Aliphatic C16-C21	10.178	13.537	165818664	1200	300	ug/ml
Aliphatic C21-C28	13.538	17.193	27479358	205.144	400	ug/ml
Aliphatic C28-C40	17.194	22.037	60214873	467.694	600	ug/ml
Aliphatic EPH	3.130	22.037	526264336	3820		ug/ml
ortho-Terphenyl (SURR)	11.842	11.842	5299361	35.31		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	3230412	28.45		ug/ml
Aliphatic C9-C28	3.130	17.193	466049463	3350	1200	ug/ml