

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	11/04/24
Client Sample ID:	TR-04-110424-E2	SDG No.:	P4706
Lab Sample ID:	P4706-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
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
11/06/24 08:32	11/07/24 10:41	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	166		5	10.1	11.2	mg/kg FF014949.D
Aliphatic C9-C28	Aliphatic C9-C28	25.5		1	1.92	4.47	mg/kg FF014933.D
Total AliphaticEPH	Total AliphaticEPH	192			12.0	15.7	mg/kg
Total EPH	Total EPH	192			12.0	15.7	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
FF014933.D	1	11/06/24	11/06/24	PB164709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	25.5		1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	172	E	2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4706-02	Acq On:	06 Nov 2024 16:26
Client Sample ID:	TR-04-110424-E2	Operator:	YP\AJ
Data file:	FF014933.D	Misc:	
Instrument:	FID_F	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	3236510	25.377	300	ug/ml
Aliphatic C12-C16	6.834	10.264	13708256	103.957	200	ug/ml
Aliphatic C16-C21	10.265	13.628	13552872	98.489	300	ug/ml
Aliphatic C21-C28	13.629	17.288	15874164	114.478	400	ug/ml
Aliphatic C28-C40	17.289	22.181	261909817	2320	600	ug/ml
Aliphatic EPH	3.223	22.181	308281619	2660		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	4930124	32.33		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	3785079	31.51		ug/ml
Aliphatic C9-C28	3.223	17.288	46371802	342.301	1200	ug/ml