

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-06-112124	SDG No.:	P4954
Lab Sample ID:	P4954-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/22/24 09:25	11/25/24 13:15	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	222		10	20.9	23.2	mg/kg FE051433.D
Aliphatic C9-C28	Aliphatic C9-C28	24.9		1	2.00	4.64	mg/kg FE051417.D
Total AliphaticEPH	Total AliphaticEPH	247			22.9	27.8	mg/kg
Total EPH	Total EPH	247			22.9	27.8	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
FE051417.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	24.9		2.00	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	188	E	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.4		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4954-03	Acq On:	22 Nov 2024 19:40
Client Sample ID:	TR-06-112124	Operator:	YP\AJ
Data file:	FE051417.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	1972084	14.095	300	ug/ml
Aliphatic C12-C16	6.745	10.177	9465438	67.305	200	ug/ml
Aliphatic C16-C21	10.178	13.537	14514613	105.355	300	ug/ml
Aliphatic C21-C28	13.538	17.193	18021060	134.534	400	ug/ml
Aliphatic C28-C40	17.194	22.037	313760793	2440	600	ug/ml
Aliphatic EPH	3.130	22.037	357733988	2760		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	3655939	24.36		ug/ml
1-chlorooctadecane (SURR)	13.276	13.276	3270938	28.81		ug/ml
Aliphatic C9-C28	3.130	17.193	43973195	321.289	1200	ug/ml