

Report of Analysis

Client:	PSEG	Date Collected:	12/27/24
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	12/27/24
Client Sample ID:	EO-01-12272024-E2	SDG No.:	P5390
Lab Sample ID:	P5390-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/30/24 08:10	12/31/24 9:58	PB165899

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	74.1		5	9.86	11.0	mg/kg	FE051824.D
Aliphatic C9-C28	Aliphatic C9-C28	15.0		1	1.89	4.39	mg/kg	FE051817.D
Total AliphaticEPH	Total AliphaticEPH	89.1			11.7	15.4	mg/kg	
Total EPH	Total EPH	89.1			11.7	15.4	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
FE051817.D	1	12/30/24	12/30/24	PB165899

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.0		1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.2	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.8		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.5		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5390-02	Acq On:	30 Dec 2024 19:23
Client Sample ID:	EO-01-12272024-E2	Operator:	YP\AJ
Data file:	FE051817.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.400	6.975	728497	6.038	300	ug/ml
Aliphatic C12-C16	6.976	10.387	3163680	23.906	200	ug/ml
Aliphatic C16-C21	10.388	13.733	13011981	95.542	300	ug/ml
Aliphatic C21-C28	13.734	17.373	10187391	80.203	400	ug/ml
Aliphatic C28-C40	17.374	22.296	115046221	1150	600	ug/ml
Aliphatic EPH	3.400	22.296	142137770	1360		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3715779	24.53		ug/ml
1-chlorooctadecane (SURR)	13.496	13.496	7537116	64.79		ug/ml
Aliphatic C9-C28	3.400	17.373	27091549	205.689	1200	ug/ml