

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	SDG No.:	P5390
Lab Sample ID:	P5390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
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
12/30/24 08:10	12/31/24 9:28	PB165899

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	72.7		5	9.59	10.7	mg/kg FE051823.D
Aliphatic C9-C28	Aliphatic C9-C28	23.7		1	1.83	4.27	mg/kg FE051816.D
Total AliphaticEPH	Total AliphaticEPH	96.4			11.4	15.0	mg/kg
Total EPH	Total EPH	96.4			11.4	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
FE051816.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	23.7		1.83	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	69.0	E	1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	66.1		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5390-01	Acq On:	30 Dec 2024 18:53
Client Sample ID:	EO-01-12272024	Operator:	YP\AJ
Data file:	FE051816.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.400	6.975	1358563	11.26	300	ug/ml
Aliphatic C12-C16	6.976	10.387	6419032	48.505	200	ug/ml
Aliphatic C16-C21	10.388	13.733	19375338	142.266	300	ug/ml
Aliphatic C21-C28	13.734	17.373	16774868	132.065	400	ug/ml
Aliphatic C28-C40	17.374	22.296	96896891	970.845	600	ug/ml
Aliphatic EPH	3.400	22.296	140824692	1300		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	4202168	27.74		ug/ml
1-chlorooctadecane (SURR)	13.496	13.496	7684556	66.06		ug/ml
Aliphatic C9-C28	3.400	17.373	43927801	334.096	1200	ug/ml