

Report of Analysis

Client:	PSEG	Date Collected:	12/06/24
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	12/06/24
Client Sample ID:	EO-03-12062024-E2	SDG No.:	P5176
Lab Sample ID:	P5176-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/09/24 09:15	12/10/24 11:36	PB165478

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	327		10	22.6	25.1	mg/kg	FE051603.D
Aliphatic C9-C28	Aliphatic C9-C28	33.0		1	2.15	5.01	mg/kg	FE051594.D
Total AliphaticEPH	Total AliphaticEPH	360			24.8	30.1	mg/kg	
Total EPH	Total EPH	360			24.8	30.1	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

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051594.D	1	12/09/24	12/09/24	PB165478

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	33.0		2.15	5.01	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	353	E	2.26	2.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	120		40 - 140	241%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.9		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5176-04	Acq On:	09 Dec 2024 16:58
Client Sample ID:	EO-03-12062024-E2	Operator:	YP\AJ
Data file:	FE051594.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.731	1577900	11.156	300	ug/ml
Aliphatic C12-C16	6.732	10.162	4197911	29.827	200	ug/ml
Aliphatic C16-C21	10.163	13.521	24003287	172.561	300	ug/ml
Aliphatic C21-C28	13.522	17.175	23816270	182.079	400	ug/ml
Aliphatic C28-C40	17.176	22.007	452411763	4220	600	ug/ml
Aliphatic EPH	3.117	22.007	506007131	4620		ug/ml
ortho-Terphenyl (SURR)	11.834	11.834	6787733	44.92		ug/ml
1-chlorooctadecane (SURR)	13.266	13.266	13453930	120.39		ug/ml
Aliphatic C9-C28	3.117	17.175	53595368	395.623	1200	ug/ml