

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-02-12062024	SDG No.:	P5176
Lab Sample ID:	P5176-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.08 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 10:05	PB165478

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	220		10	19.5	21.7	mg/kg FE051600.D
Aliphatic C9-C28	Aliphatic C9-C28	260		10	18.6	43.3	mg/kg FE051600.D
Total AliphaticEPH	Total AliphaticEPH	480			38.1	65.0	mg/kg
Total EPH	Total EPH	480			38.1	65.0	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051591.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	240	E	1.86	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	209	E	1.95	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1020		40 - 140	2037%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.3		40 - 140	107%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5176-01	Acq On:	09 Dec 2024 15:28
Client Sample ID:	EO-02-12062024	Operator:	YP\AJ
Data file:	FE051591.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.731	19471234	137.671	300	ug/ml
Aliphatic C12-C16	6.732	10.162	108447618	770.549	200	ug/ml
Aliphatic C16-C21	10.163	13.521	249845544	1800	300	ug/ml
Aliphatic C21-C28	13.522	17.175	82788562	632.931	400	ug/ml
Aliphatic C28-C40	17.176	22.007	310769384	2900	600	ug/ml
Aliphatic EPH	3.117	22.007	771322342	6240		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	8048084	53.26		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	113830414	1020		ug/ml
Aliphatic C9-C28	3.117	17.175	460552958	3340	1200	ug/ml