

Report of Analysis

Client:	PSEG	Date Collected:	05/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/22/25
Client Sample ID:	EO-03-05222025	SDG No.:	Q2112
Lab Sample ID:	Q2112-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.6
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
05/23/25 08:55	05/27/25 10:05	PB168138

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	67.9		5	6.17	10.5	mg/kg FE054015.D
Aliphatic C9-C28	Aliphatic C9-C28	86.9		5	4.76	20.9	mg/kg FE054015.D
Total AliphaticEPH	Total AliphaticEPH	155			10.9	31.4	mg/kg
Total EPH	Total EPH	155			10.9	31.4	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054003.D	1	05/23/25	05/23/25	PB168138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	91.4	E	0.95	4.19	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	61.4	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2112-01	Acq On:	23 May 2025 16:49
Client Sample ID:	EO-03-05222025	Operator:	YP\AJ
Data file:	FE054003.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.093	6.735	44878493	331.052	300	ug/ml
Aliphatic C12-C16	6.736	10.183	108434150	803.564	200	ug/ml
Aliphatic C16-C21	10.184	13.557	17770770	134.718	300	ug/ml
Aliphatic C21-C28	13.558	17.224	5120461	41.235	400	ug/ml
Aliphatic C28-C40	17.225	22.101	101720561	881.225	600	ug/ml
Aliphatic EPH	3.093	22.101	277924435	2190		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	5841983	35.95		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	4676649	39.45		ug/ml
Aliphatic C9-C28	3.093	17.224	176203874	1310	1200	ug/ml