

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/01/25
Client Sample ID:	EO-03-040125	SDG No.:	Q1686
Lab Sample ID:	Q1686-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/02/25 08:00	04/02/25 20:19	PB167427

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.8		1	1.31	2.21	mg/kg FE053143.D
Aliphatic C9-C28	Aliphatic C9-C28	5.81		1	1.01	4.44	mg/kg FE053143.D
Total AliphaticEPH	Total AliphaticEPH	33.6			2.32	6.65	mg/kg
Total EPH	Total EPH	33.6			2.32	6.65	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
FE053143.D	1	04/02/25	04/02/25	PB167427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.81		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.8		1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1686-01	Acq On:	02 Apr 2025 20:19
Client Sample ID:	EO-03-040125	Operator:	YP\AJ
Data file:	FE053143.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.779	1144291	7.334	300	ug/ml
Aliphatic C12-C16	6.780	10.229	1536747	10.003	200	ug/ml
Aliphatic C16-C21	10.230	13.604	2613883	18.11	300	ug/ml
Aliphatic C21-C28	13.605	17.273	5801634	43.184	400	ug/ml
Aliphatic C28-C40	17.274	22.174	46878246	377.27	600	ug/ml
Aliphatic EPH	3.137	22.174	57974801	455.9		ug/ml
ortho-Terphenyl (SURR)	11.892	11.892	4673560	28.69		ug/ml
1-chlorooctadecane (SURR)	13.336	13.336	3611473	30.08		ug/ml
Aliphatic C9-C28	3.137	17.273	11096555	78.631	1200	ug/ml