

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/11/25
Client Sample ID:	OR-01-41125	SDG No.:	Q1784
Lab Sample ID:	Q1784-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/15/25 11:09	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	381		20	25.5	43.2	mg/kg FE053364.D
Aliphatic C9-C28	Aliphatic C9-C28	649		20	19.6	86.4	mg/kg FE053364.D
Total AliphaticEPH	Total AliphaticEPH	1030			45.1	130	mg/kg
Total EPH	Total EPH	1030			45.1	130	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053352.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	647	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	369	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.4		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1784-01	Acq On:	14 Apr 2025 20:04
Client Sample ID:	OR-01-41125	Operator:	YP\AJ
Data file:	FE053352.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	3.133	6.775	538192275	3450	300	ug/ml
Aliphatic C12-C16	6.776	10.227	608505371	3960	200	ug/ml
Aliphatic C16-C21	10.228	13.605	120758808	836.644	300	ug/ml
Aliphatic C21-C28	13.606	17.276	99556289	741.036	400	ug/ml
Aliphatic C28-C40	17.277	22.185	637382537	5130	600	ug/ml
Aliphatic EPH	3.133	22.185	2004395280	14100		ug/ml
ortho-Terphenyl (SURR)	11.903	11.903	7198227	44.19		ug/ml
1-chlorooctadecane (SURR)	13.349	13.349	7726514	64.36		ug/ml
Aliphatic C9-C28	3.133	17.276	1367012743	8990	1200	ug/ml