

Report of Analysis

Client:	PSEG	Date Collected:	08/20/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	08/20/25
Client Sample ID:	EO-03-08202025	SDG No.:	Q2916
Lab Sample ID:	Q2916-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
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
08/21/25 11:20	08/22/25 8:40	PB169342

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	55.9		5	6.38	10.8	mg/kg FE055450.D
Aliphatic C9-C28	Aliphatic C9-C28	43.5		1	0.98	4.32	mg/kg FE055438.D
Total AliphaticEPH	Total AliphaticEPH	99.4			7.36	15.1	mg/kg
Total EPH	Total EPH	99.4			7.36	15.1	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
FE055438.D	1	08/21/25	08/21/25	PB169342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	43.5		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.0	E	1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2916-01	Acq On:	21 Aug 2025 20:49
Client Sample ID:	EO-03-08202025	Operator:	YP\AJ
Data file:	FE055438.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	12607417	107.956	300	ug/ml
Aliphatic C12-C16	6.955	10.407	43268254	345.518	200	ug/ml
Aliphatic C16-C21	10.408	13.787	12458407	98.56	300	ug/ml
Aliphatic C21-C28	13.788	17.460	6214698	51.572	400	ug/ml
Aliphatic C28-C40	17.461	22.485	85348503	748.755	600	ug/ml
Aliphatic EPH	3.319	22.485	159897279	1350		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	6100850	42.72		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	4801599	44.66		ug/ml
Aliphatic C9-C28	3.319	17.460	74548776	603.606	1200	ug/ml