

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-1	SDG No.:	Q3231
Lab Sample ID:	Q3231-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/29/25 09:50	09/30/25 16:13	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.7		2	2.79	4.73	mg/kg	FE056090.D
Aliphatic C9-C28	Aliphatic C9-C28	21.1		1	1.08	4.73	mg/kg	FE056066.D
Total AliphaticEPH	Total AliphaticEPH	70.8			3.87	9.46	mg/kg	
Total EPH	Total EPH	70.8			3.87	9.46	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
FE056066.D	1	09/29/25	09/30/25	PB169891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.1		1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.1	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-01	Acq On:	30 Sep 2025 02:33
Client Sample ID:	WC-1	Operator:	YP\AJ
Data file:	FE056066.D	Misc:	
Instrument:	FID_E	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	783216	5.593	300	ug/ml
Aliphatic C12-C16	6.947	10.396	4760205	31.036	200	ug/ml
Aliphatic C16-C21	10.397	13.773	20191082	121.721	300	ug/ml
Aliphatic C21-C28	13.774	17.443	16163309	108.824	400	ug/ml
Aliphatic C28-C40	17.444	22.449	83129765	610.118	600	ug/ml
Aliphatic EPH	3.315	22.449	125027577	877.293		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5465835	29.13		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4480729	32.1		ug/ml
Aliphatic C9-C28	3.315	17.443	41897812	267.174	1200	ug/ml