

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q3231
Lab Sample ID:	Q3231-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.09	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 3:03	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.6		1	1.36	2.31	mg/kg	FE056067.D
Aliphatic C9-C28	Aliphatic C9-C28	11.5		1	1.05	4.63	mg/kg	FE056067.D
Total AliphaticEPH	Total AliphaticEPH	47.1			2.41	6.94	mg/kg	
Total EPH	Total EPH	47.1			2.41	6.94	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
FE056067.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	11.5		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.6		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-02	Acq On:	30 Sep 2025 03:03
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE056067.D	Misc:	
Instrument:	FID_E	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	759249	5.422	300	ug/ml
Aliphatic C12-C16	6.947	10.396	2838551	18.507	200	ug/ml
Aliphatic C16-C21	10.397	13.773	8690416	52.39	300	ug/ml
Aliphatic C21-C28	13.774	17.443	10793043	72.667	400	ug/ml
Aliphatic C28-C40	17.444	22.449	63065800	462.862	600	ug/ml
Aliphatic EPH	3.315	22.449	86147059	611.848		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5819780	31.01		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4641893	33.26		ug/ml
Aliphatic C9-C28	3.315	17.443	23081259	148.986	1200	ug/ml