

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-2-EPH	SDG No.:	Q3231
Lab Sample ID:	Q3231-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.02	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 3:33	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1	1.41	2.40	mg/kg FE056068.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	1.09	4.80	mg/kg FE056068.D
Total AliphaticEPH	Total AliphaticEPH	43.8			2.50	7.20	mg/kg
Total EPH	Total EPH	43.8			2.50	7.20	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
FE056068.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	10.1		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1.41	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-06	Acq On:	30 Sep 2025 03:33
Client Sample ID:	WC-2-EPH	Operator:	YP\AJ
Data file:	FE056068.D	Misc:	
Instrument:	FID_E	ALS Vial:	39
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	624920	4.463	300	ug/ml
Aliphatic C12-C16	6.947	10.396	1955448	12.749	200	ug/ml
Aliphatic C16-C21	10.397	13.773	10622540	64.038	300	ug/ml
Aliphatic C21-C28	13.774	17.443	6656885	44.819	400	ug/ml
Aliphatic C28-C40	17.444	22.449	57401428	421.289	600	ug/ml
Aliphatic EPH	3.315	22.449	77261221	547.358		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6713011	35.77		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5246034	37.59		ug/ml
Aliphatic C9-C28	3.315	17.443	19859793	126.069	1200	ug/ml