

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-3-EPH	SDG No.:	Q3231
Lab Sample ID:	Q3231-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.07	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 17:14	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	58.1		2	2.71	4.59	mg/kg	FE056092.D
Aliphatic C9-C28	Aliphatic C9-C28	13.6		1	1.04	4.59	mg/kg	FE056070.D
Total AliphaticEPH	Total AliphaticEPH	71.7			3.75	9.19	mg/kg	
Total EPH	Total EPH	71.7			3.75	9.19	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
FE056070.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	13.6		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.9	E	1.35	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-10	Acq On:	30 Sep 2025 04:34
Client Sample ID:	WC-3-EPH	Operator:	YP\AJ
Data file:	FE056070.D	Misc:	
Instrument:	FID_E	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	6410393	45.779	300	ug/ml
Aliphatic C12-C16	6.947	10.396	6889317	44.918	200	ug/ml
Aliphatic C16-C21	10.397	13.773	6885920	41.512	300	ug/ml
Aliphatic C21-C28	13.774	17.443	6821867	45.93	400	ug/ml
Aliphatic C28-C40	17.444	22.449	92378149	677.995	600	ug/ml
Aliphatic EPH	3.315	22.449	119385646	856.134		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4784384	25.5		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3871867	27.74		ug/ml
Aliphatic C9-C28	3.315	17.443	27007497	178.139	1200	ug/ml