

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-4-EPH	SDG No.:	Q3231
Lab Sample ID:	Q3231-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/29/25 09:50	09/30/25 5:35	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	41.8		1	1.44	2.44	mg/kg FE056072.D
Aliphatic C9-C28	Aliphatic C9-C28	61.4		1	1.11	4.88	mg/kg FE056072.D
Total AliphaticEPH	Total AliphaticEPH	103			2.55	7.33	mg/kg
Total EPH	Total EPH	103			2.55	7.33	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
FE056072.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	61.4		1.11	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.8		1.44	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.8		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.0		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-14	Acq On:	30 Sep 2025 05:35
Client Sample ID:	WC-4-EPH	Operator:	YP\AJ
Data file:	FE056072.D	Misc:	
Instrument:	FID_E	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	1324340	9.458	300	ug/ml
Aliphatic C12-C16	6.947	10.396	15683409	102.254	200	ug/ml
Aliphatic C16-C21	10.397	13.773	52939140	319.142	300	ug/ml
Aliphatic C21-C28	13.774	17.443	47883765	322.391	400	ug/ml
Aliphatic C28-C40	17.444	22.449	69841478	512.591	600	ug/ml
Aliphatic EPH	3.315	22.449	187672132	1270		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6559790	34.96		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5699020	40.83		ug/ml
Aliphatic C9-C28	3.315	17.443	117830654	753.245	1200	ug/ml