

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-3	SDG No.:	Q3231
Lab Sample ID:	Q3231-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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 16:44	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	56.6		2	2.70	4.58	mg/kg FE056091.D
Aliphatic C9-C28	Aliphatic C9-C28	18.7		1	1.04	4.57	mg/kg FE056069.D
Total AliphaticEPH	Total AliphaticEPH	75.3			3.74	9.15	mg/kg
Total EPH	Total EPH	75.3			3.74	9.15	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
FE056069.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	18.7		1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.0	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-09	Acq On:	30 Sep 2025 04:04
Client Sample ID:	WC-3	Operator:	YP\AJ
Data file:	FE056069.D	Misc:	
Instrument:	FID_E	ALS Vial:	40
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	8898801	63.55	300	ug/ml
Aliphatic C12-C16	6.947	10.396	8466847	55.203	200	ug/ml
Aliphatic C16-C21	10.397	13.773	9460198	57.03	300	ug/ml
Aliphatic C21-C28	13.774	17.443	10335557	69.587	400	ug/ml
Aliphatic C28-C40	17.444	22.449	96410888	707.593	600	ug/ml
Aliphatic EPH	3.315	22.449	133572291	952.964		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5136474	27.37		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4253827	30.48		ug/ml
Aliphatic C9-C28	3.315	17.443	37161403	245.37	1200	ug/ml