

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Orange Gas	Date Received:	09/26/25
Client Sample ID:	WC-2	SDG No.:	Q3231
Lab Sample ID:	Q3231-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.02	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	09/29/25 19:04	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.43		1	1.41	2.39	mg/kg FG016690.D
Aliphatic C9-C28	Aliphatic C9-C28	6.71		1	1.09	4.77	mg/kg FG016690.D
Total AliphaticEPH	Total AliphaticEPH	15.1			2.50	7.16	mg/kg
Total EPH	Total EPH	15.1			2.50	7.16	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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Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016690.D	1	09/29/25	09/29/25	PB169891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.71		1.09	4.77	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.43		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-05	Acq On:	29 Sep 2025 19:04
Client Sample ID:	WC-2	Operator:	YP\AJ
Data file:	FG016690.D	Misc:	
Instrument:	FID_G	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	567562	4.914	300	ug/ml
Aliphatic C12-C16	6.923	10.380	1598319	13.252	200	ug/ml
Aliphatic C16-C21	10.381	13.770	3598848	27.836	300	ug/ml
Aliphatic C21-C28	13.771	17.456	4930373	38.267	400	ug/ml
Aliphatic C28-C40	17.457	22.494	10745009	105.947	600	ug/ml
Aliphatic EPH	3.280	22.494	21440111	190.215		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	4334442	30.39		ug/ml
1-chlorooctadecane (SURR)	13.502	13.502	3513265	31.13		ug/ml
Aliphatic C9-C28	3.280	17.456	10695102	84.269	1200	ug/ml