

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Orange Gas	Date Received:	
Client Sample ID:	WC-2MSD	SDG No.:	Q3231
Lab Sample ID:	Q3231-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/29/25 09:50	09/29/25 20:33	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	132			2.50	7.14	mg/kg
Total EPH	Total EPH	132			2.50	7.14	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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Orange Gas	Date Received:	
Client Sample ID:	WC-2MSD	SDG No.:	Q3231
Lab Sample ID:	Q3231-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016693.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	91.4		1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.2		1.41	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3231-05MSD	Acq On:	29 Sep 2025 20:33
Client Sample ID:	Q3231-05MSD	Operator:	YP\AJ
Data file:	FG016693.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	20386801	176.503	300	ug/ml
Aliphatic C12-C16	6.923	10.380	30823170	255.555	200	ug/ml
Aliphatic C16-C21	10.381	13.770	42271275	326.951	300	ug/ml
Aliphatic C21-C28	13.771	17.456	50483252	391.83	400	ug/ml
Aliphatic C28-C40	17.457	22.494	51345046	506.266	600	ug/ml
Aliphatic EPH	3.280	22.494	195309544	1660		ug/ml
ortho-Terphenyl (SURR)	12.058	12.058	4477354	31.39		ug/ml
1-chlorooctadecane (SURR)	13.502	13.502	3738713	33.12		ug/ml
Aliphatic C9-C28	3.280	17.456	143964498	1150	1200	ug/ml