

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Orange Gas	Date Received:	
Client Sample ID:	PB169891BS	SDG No.:	Q3231
Lab Sample ID:	PB169891BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	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 18:04	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1	1.18	2.00	mg/kg	FG016688.D
Aliphatic C9-C28	Aliphatic C9-C28	85.4	E	1	0.91	3.99	mg/kg	FG016688.D
Total AliphaticEPH	Total AliphaticEPH	117			2.09	5.99	mg/kg	
Total EPH	Total EPH	117			2.09	5.99	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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Project:	Orange Gas	Date Received:	
Client Sample ID:	PB169891BS	SDG No.:	Q3231
Lab Sample ID:	PB169891BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016688.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	85.4	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169891BS	Acq On:	29 Sep 2025 18:04
Client Sample ID:	PB169891BS	Operator:	YP\AJ
Data file:	FG016688.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	28501401	246.757	300	ug/ml
Aliphatic C12-C16	6.923	10.380	36279682	300.795	200	ug/ml
Aliphatic C16-C21	10.381	13.770	43261227	334.608	300	ug/ml
Aliphatic C21-C28	13.771	17.456	51607130	400.553	400	ug/ml
Aliphatic C28-C40	17.457	22.494	47374608	467.117	600	ug/ml
Aliphatic EPH	3.280	22.494	207024048	1750		ug/ml
ortho-Terphenyl (SURR)	12.058	12.058	4645593	32.57		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	3834046	33.97		ug/ml
Aliphatic C9-C28	3.280	17.456	159649440	1280	1200	ug/ml