

Report of Analysis

Client:	PSEG	Date Collected:	08/06/25
Project:	Orange Gas	Date Received:	08/06/25
Client Sample ID:	RT5414	SDG No.:	Q2783
Lab Sample ID:	Q2783-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/07/25 09:25	08/08/25 7:50	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	47.0		2	2.39	4.04	mg/kg FE055199.D
Aliphatic C9-C28	Aliphatic C9-C28	8.07		1	0.92	4.04	mg/kg FE055184.D
Total AliphaticEPH	Total AliphaticEPH	55.1			3.31	8.08	mg/kg
Total EPH	Total EPH	55.1			3.31	8.08	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:	08/06/25
Project:	Orange Gas	Date Received:	08/06/25
Client Sample ID:	RT5414	SDG No.:	Q2783
Lab Sample ID:	Q2783-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.8
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
FE055184.D	1	08/07/25	08/07/25	PB169156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.07		0.92	4.04	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.2	E	1.19	2.02	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2783-01	Acq On:	07 Aug 2025 18:27
Client Sample ID:	RT5414	Operator:	YP\AJ
Data file:	FE055184.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.957	369665	3.165	300	ug/ml
Aliphatic C12-C16	6.958	10.409	1251950	9.997	200	ug/ml
Aliphatic C16-C21	10.410	13.787	6924159	54.778	300	ug/ml
Aliphatic C21-C28	13.788	17.458	6233374	51.727	400	ug/ml
Aliphatic C28-C40	17.459	22.480	71279715	625.331	600	ug/ml
Aliphatic EPH	3.324	22.480	86058863	744.998		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4492274	31.46		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3524930	32.78		ug/ml
Aliphatic C9-C28	3.324	17.458	14779148	119.667	1200	ug/ml