

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	OR-03-08082025MS	SDG No.:	Q2809
Lab Sample ID:	Q2809-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 09:00	08/11/25 18:57	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	245			2.23	6.40	mg/kg
Total EPH	Total EPH	245			2.23	6.40	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:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	OR-03-08082025MS	SDG No.:	Q2809
Lab Sample ID:	Q2809-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055236.D	1	08/11/25	08/11/25	PB169188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	74.2		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	171	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.8		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2809-01MS	Acq On:	11 Aug 2025 18:57
Client Sample ID:	Q2809-01MS	Operator:	YP\AJ
Data file:	FE055236.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.957	15873023	135.919	300	ug/ml
Aliphatic C12-C16	6.958	10.409	25966146	207.352	200	ug/ml
Aliphatic C16-C21	10.410	13.788	36686866	290.233	300	ug/ml
Aliphatic C21-C28	13.789	17.460	49435472	410.233	400	ug/ml
Aliphatic C28-C40	17.461	22.484	275535647	2420	600	ug/ml
Aliphatic EPH	3.322	22.484	403497154	3460		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	3544600	24.82		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3173825	29.52		ug/ml
Aliphatic C9-C28	3.322	17.460	127961507	1040	1200	ug/ml