

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169188BS	SDG No.:	Q2809
Lab Sample ID:	PB169188BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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 15:54	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	123			2.09	5.99	mg/kg
Total EPH	Total EPH	123			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055230.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	89.8	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.2		40 - 140	98%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169188BS	Acq On:	11 Aug 2025 15:54
Client Sample ID:	PB169188BS	Operator:	YP\AJ
Data file:	FE055230.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.957	28817117	246.759	300	ug/ml
Aliphatic C12-C16	6.958	10.409	37944264	303.004	200	ug/ml
Aliphatic C16-C21	10.410	13.788	43089699	340.886	300	ug/ml
Aliphatic C21-C28	13.789	17.460	55255568	458.531	400	ug/ml
Aliphatic C28-C40	17.461	22.484	56413863	494.914	600	ug/ml
Aliphatic EPH	3.322	22.484	221520511	1840		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	7023118	49.18		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	5531959	51.45		ug/ml
Aliphatic C9-C28	3.322	17.460	165106648	1350	1200	ug/ml