

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB168876BS	SDG No.:	Q2612
Lab Sample ID:	PB168876BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 9:02	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.3		1	1.18	2.00	mg/kg	FE054892.D
Aliphatic C9-C28	Aliphatic C9-C28	81.7	E	1	0.91	4.00	mg/kg	FE054892.D
Total AliphaticEPH	Total AliphaticEPH	111			2.09	6.00	mg/kg	
Total EPH	Total EPH	111			2.09	6.00	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054892.D	1	07/16/25	07/17/25	PB168876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	81.7	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168876BS	Acq On:	17 Jul 2025 09:02
Client Sample ID:	PB168876BS	Operator:	YP\AJ
Data file:	FE054892.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.327	6.962	30749350	226.007	300	ug/ml
Aliphatic C12-C16	6.963	10.415	40989056	291.596	200	ug/ml
Aliphatic C16-C21	10.416	13.794	45725703	316.674	300	ug/ml
Aliphatic C21-C28	13.795	17.464	56542326	390.886	400	ug/ml
Aliphatic C28-C40	17.465	22.496	61043513	440.279	600	ug/ml
Aliphatic EPH	3.327	22.496	235049948	1670		ug/ml
ortho-Terphenyl (SURR)	12.097	12.097	5212368	32.1		ug/ml
1-chlorooctadecane (SURR)	13.532	13.532	4104605	32.5		ug/ml
Aliphatic C9-C28	3.327	17.464	174006435	1230	1200	ug/ml