

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169089BSD	SDG No.:	Q2740
Lab Sample ID:	PB169089BSD	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
08/01/25 12:35	08/01/25 17:37	PB169089

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1	1.18	2.00	mg/kg	FE055112.D
Aliphatic C9-C28	Aliphatic C9-C28	67.3		1	0.91	3.99	mg/kg	FE055112.D
Total AliphaticEPH	Total AliphaticEPH	91.9			2.09	5.99	mg/kg	
Total EPH	Total EPH	91.9			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055112.D	1	08/01/25	08/01/25	PB169089

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.3		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169089BSD	Acq On:	01 Aug 2025 17:37
Client Sample ID:	PB169089BSD	Operator:	YP\AJ
Data file:	FE055112.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	6.957	17676321	151.361	300	ug/ml
Aliphatic C12-C16	6.958	10.409	29130038	232.618	200	ug/ml
Aliphatic C16-C21	10.410	13.787	33690712	266.53	300	ug/ml
Aliphatic C21-C28	13.788	17.458	43209298	358.566	400	ug/ml
Aliphatic C28-C40	17.459	22.480	42046429	368.87	600	ug/ml
Aliphatic EPH	3.522	22.480	165752798	1380		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5888773	41.24		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	4633603	43.09		ug/ml
Aliphatic C9-C28	3.522	17.458	123706369	1010	1200	ug/ml