

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169002BSD	SDG No.:	Q2689
Lab Sample ID:	PB169002BSD	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
07/25/25 08:00	07/28/25 14:35	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1	1.18	2.00	mg/kg	FC069546.D
Aliphatic C9-C28	Aliphatic C9-C28	63.2		1	0.91	4.00	mg/kg	FC069546.D
Total AliphaticEPH	Total AliphaticEPH	91.2			2.09	6.00	mg/kg	
Total EPH	Total EPH	91.2			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069546.D	1	07/25/25	07/28/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	63.2		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169002BSD	Acq On:	28 Jul 2025 14:35
Client Sample ID:	PB169002BSD	Operator:	YP/AJ
Data file:	FC069546.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.602	24986351	179.759	300	ug/ml
Aliphatic C12-C16	6.603	10.006	30739116	213.357	200	ug/ml
Aliphatic C16-C21	10.007	13.376	32506688	239.025	300	ug/ml
Aliphatic C21-C28	13.377	17.043	37700849	316.843	400	ug/ml
Aliphatic C28-C40	17.044	22.029	37703771	419.475	600	ug/ml
Aliphatic EPH	3.303	22.029	163636775	1370		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	5075347	34.2		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	3944459	34.9		ug/ml
Aliphatic C9-C28	3.303	17.043	125933004	948.984	1200	ug/ml