

Report of Analysis

Client:	PSEG	Date Collected:	06/30/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	06/30/25
Client Sample ID:	OR-3-063025	SDG No.:	Q2464
Lab Sample ID:	Q2464-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.1
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
07/01/25 09:00	07/01/25 15:41	PB168673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	1.21	2.06	mg/kg	FE054659.D
Aliphatic C9-C28	Aliphatic C9-C28	14.2		1	0.94	4.12	mg/kg	FE054659.D
Total AliphaticEPH	Total AliphaticEPH	34.9			2.15	6.18	mg/kg	
Total EPH	Total EPH	34.9			2.15	6.18	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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Analytical Method:	NJEPH	% Solid:	97.1
Sample Wt/Vol:	30.03 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
FE054659.D	1	07/01/25	07/01/25	PB168673

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.2		0.94	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1.21	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2464-01	Acq On:	01 Jul 2025 15:41
Client Sample ID:	OR-3-063025	Operator:	YP\AJ
Data file:	FE054659.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.950	1846008	13.568	300	ug/ml
Aliphatic C12-C16	6.951	10.401	1894992	13.481	200	ug/ml
Aliphatic C16-C21	10.402	13.777	10777915	74.643	300	ug/ml
Aliphatic C21-C28	13.778	17.446	15134664	104.628	400	ug/ml
Aliphatic C28-C40	17.447	22.459	41776476	301.314	600	ug/ml
Aliphatic EPH	3.319	22.459	71430055	507.634		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4769403	29.37		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4163224	32.96		ug/ml
Aliphatic C9-C28	3.319	17.446	29653579	206.32	1200	ug/ml