

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	06/16/25
Client Sample ID:	OR-02-061625	SDG No.:	Q2337
Lab Sample ID:	Q2337-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/18/25 9:09	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	76.1		5	6.36	10.8	mg/kg	FE054475.D
Aliphatic C9-C28	Aliphatic C9-C28	13.7		1	0.98	4.32	mg/kg	FE054451.D
Total AliphaticEPH	Total AliphaticEPH	89.8			7.34	15.1	mg/kg	
Total EPH	Total EPH	89.8			7.34	15.1	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
FE054451.D	1	06/17/25	06/17/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.7		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.1	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2337-01	Acq On:	17 Jun 2025 18:31
Client Sample ID:	OR-02-061625	Operator:	YP\AJ
Data file:	FE054451.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	3.073	6.717	755782	6.034	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1978324	15.084	200	ug/ml
Aliphatic C16-C21	10.165	13.536	6062725	45.269	300	ug/ml
Aliphatic C21-C28	13.537	17.202	15740599	123.875	400	ug/ml
Aliphatic C28-C40	17.203	22.064	116104556	905.331	600	ug/ml
Aliphatic EPH	3.073	22.064	140641986	1100		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4445275	26.9		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	3670790	30.1		ug/ml
Aliphatic C9-C28	3.073	17.202	24537430	190.262	1200	ug/ml