

Report of Analysis

Client:	PSEG	Date Collected:	09/18/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	09/18/25
Client Sample ID:	OR-02-09182025	SDG No.:	Q3137
Lab Sample ID:	Q3137-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
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
09/19/25 08:55	09/22/25 9:58	PB169750

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	62.9		2	2.51	4.25	mg/kg	FE055915.D
Aliphatic C9-C28	Aliphatic C9-C28	47.0		1	0.97	4.25	mg/kg	FE055903.D
Total AliphaticEPH	Total AliphaticEPH	110			3.48	8.50	mg/kg	
Total EPH	Total EPH	110			3.48	8.50	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
FE055903.D	1	09/19/25	09/19/25	PB169750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	47.0		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.3	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3137-01	Acq On:	19 Sep 2025 16:25
Client Sample ID:	OR-02-09182025	Operator:	YP\AJ
Data file:	FE055903.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.947	950471	7.402	300	ug/ml
Aliphatic C12-C16	6.948	10.401	7062682	52.279	200	ug/ml
Aliphatic C16-C21	10.402	13.781	37581820	260.592	300	ug/ml
Aliphatic C21-C28	13.782	17.454	49312296	344.274	400	ug/ml
Aliphatic C28-C40	17.455	22.471	105674075	767.313	600	ug/ml
Aliphatic EPH	3.311	22.471	200581344	1430		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5088622	30.97		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	5482295	43.84		ug/ml
Aliphatic C9-C28	3.311	17.454	94907269	664.547	1200	ug/ml