

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-E2	SDG No.:	Q2337
Lab Sample ID:	Q2337-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.04 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	06/17/25 19:02	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.6		1	1.31	2.21	mg/kg	FE054452.D
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1	1.01	4.44	mg/kg	FE054452.D
Total AliphaticEPH	Total AliphaticEPH	40.6			2.32	6.65	mg/kg	
Total EPH	Total EPH	40.6			2.32	6.65	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
FE054452.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	12.0		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.6		1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2337-02	Acq On:	17 Jun 2025 19:02
Client Sample ID:	OR-02-061625-E2	Operator:	YP\AJ
Data file:	FE054452.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1141282	9.112	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1655539	12.623	200	ug/ml
Aliphatic C16-C21	10.165	13.536	7103978	53.044	300	ug/ml
Aliphatic C21-C28	13.537	17.202	11123481	87.539	400	ug/ml
Aliphatic C28-C40	17.203	22.064	49714658	387.653	600	ug/ml
Aliphatic EPH	3.073	22.064	70738938	549.971		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4605122	27.87		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	3814108	31.28		ug/ml
Aliphatic C9-C28	3.073	17.202	21024280	162.318	1200	ug/ml