

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	03/12/25
Client Sample ID:	OR-02-031225-E2	SDG No.:	Q1556
Lab Sample ID:	Q1556-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/13/25 09:50	03/13/25 22:01	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.6		1	1.97	2.18	mg/kg	FE052791.D
Aliphatic C9-C28	Aliphatic C9-C28	11.0		1	1.88	4.37	mg/kg	FE052791.D
Total AliphaticEPH	Total AliphaticEPH	50.6			3.85	6.55	mg/kg	
Total EPH	Total EPH	50.6			3.85	6.55	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

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	03/12/25
Client Sample ID:	OR-02-031225-E2	SDG No.:	Q1556
Lab Sample ID:	Q1556-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.06 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
FE052791.D	1	03/13/25	03/13/25	PB167114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.0		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.6		1.97	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1556-02	Acq On:	13 Mar 2025 22:01
Client Sample ID:	OR-02-031225-E2	Operator:	YP\AJ
Data file:	FE052791.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	1380349	8.851	300	ug/ml
Aliphatic C12-C16	6.795	10.247	4608896	30.302	200	ug/ml
Aliphatic C16-C21	10.248	13.625	7692665	52.492	300	ug/ml
Aliphatic C21-C28	13.626	17.297	8542598	59.968	400	ug/ml
Aliphatic C28-C40	17.298	22.215	69392462	543.874	600	ug/ml
Aliphatic EPH	3.150	22.215	91616970	695.489		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	4345460	25.78		ug/ml
1-chlorooctadecane (SURR)	13.353	13.353	3504424	28.86		ug/ml
Aliphatic C9-C28	3.150	17.297	22224508	151.613	1200	ug/ml