

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	OR-03-07232025MSD	SDG No.:	Q2689
Lab Sample ID:	Q2689-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/25/25 17:13	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	225			2.25	6.46	mg/kg
Total EPH	Total EPH	225			2.25	6.46	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
FC069537.D	1	07/25/25	07/25/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	78.7		0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	146	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2689-01MSD	Acq On:	25 Jul 2025 17:13
Client Sample ID:	Q2689-01MSD	Operator:	YP/AJ
Data file:	FC069537.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.600	21149951	152.158	300	ug/ml
Aliphatic C12-C16	6.601	10.004	36426963	252.836	200	ug/ml
Aliphatic C16-C21	10.005	13.374	36652272	269.508	300	ug/ml
Aliphatic C21-C28	13.375	17.040	50419609	423.733	400	ug/ml
Aliphatic C28-C40	17.041	22.024	183456941	2040	600	ug/ml
Aliphatic EPH	3.303	22.024	328105736	3140		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	3949379	26.61		ug/ml
1-chlorooctadecane (SURR)	13.112	13.112	3363385	29.76		ug/ml
Aliphatic C9-C28	3.303	17.040	144648795	1100	1200	ug/ml