

Report of Analysis

Client:	PSEG	Date Collected:	08/08/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	08/08/25
Client Sample ID:	OR-03-08082025	SDG No.:	Q2809
Lab Sample ID:	Q2809-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
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
08/11/25 09:00	08/12/25 8:30	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	116		5	6.30	10.7	mg/kg	FE055245.D
Aliphatic C9-C28	Aliphatic C9-C28	24.7		1	0.97	4.27	mg/kg	FE055234.D
Total AliphaticEPH	Total AliphaticEPH	141			7.27	15.0	mg/kg	
Total EPH	Total EPH	141			7.27	15.0	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
FE055234.D	1	08/11/25	08/11/25	PB169188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	24.7		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	114	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.3		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.3		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2809-01	Acq On:	11 Aug 2025 17:56
Client Sample ID:	OR-03-08082025	Operator:	YP\AJ
Data file:	FE055234.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.957	1509763	12.928	300	ug/ml
Aliphatic C12-C16	6.958	10.409	4734273	37.806	200	ug/ml
Aliphatic C16-C21	10.410	13.788	14628668	115.729	300	ug/ml
Aliphatic C21-C28	13.789	17.460	21834697	181.192	400	ug/ml
Aliphatic C28-C40	17.461	22.484	182939681	1600	600	ug/ml
Aliphatic EPH	3.322	22.484	225647082	1950		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5331449	37.33		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4652700	43.27		ug/ml
Aliphatic C9-C28	3.322	17.460	42707401	347.655	1200	ug/ml