

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-E2	SDG No.:	Q2809
Lab Sample ID:	Q2809-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.05 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 9:00	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	155		10	12.7	21.4	mg/kg	FE055246.D
Aliphatic C9-C28	Aliphatic C9-C28	19.8		1	0.98	4.29	mg/kg	FE055238.D
Total AliphaticEPH	Total AliphaticEPH	175			13.7	25.7	mg/kg	
Total EPH	Total EPH	175			13.7	25.7	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
FE055238.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	19.8		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	162	E	1.27	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.2		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2809-02	Acq On:	11 Aug 2025 19:58
Client Sample ID:	OR-03-08082025-E2	Operator:	YP\AJ
Data file:	FE055238.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	3.322	6.957	1430903	12.253	300	ug/ml
Aliphatic C12-C16	6.958	10.409	3930092	31.384	200	ug/ml
Aliphatic C16-C21	10.410	13.788	11917546	94.281	300	ug/ml
Aliphatic C21-C28	13.789	17.460	16828707	139.651	400	ug/ml
Aliphatic C28-C40	17.461	22.484	259295940	2270	600	ug/ml
Aliphatic EPH	3.322	22.484	293403188	2550		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	4083379	28.59		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	3679820	34.22		ug/ml
Aliphatic C9-C28	3.322	17.460	34107248	277.569	1200	ug/ml