

Report of Analysis

Client:	PSEG	Date Collected:	07/15/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/15/25
Client Sample ID:	OR-02-071525	SDG No.:	Q2612
Lab Sample ID:	Q2612-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 11:16	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	61.4		2	2.77	4.69	mg/kg FE054896.D
Aliphatic C9-C28	Aliphatic C9-C28	7.27		1	1.07	4.68	mg/kg FE054879.D
Total AliphaticEPH	Total AliphaticEPH	68.7			3.84	9.37	mg/kg
Total EPH	Total EPH	68.7			3.84	9.37	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
FE054879.D	1	07/16/25	07/16/25	PB168876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.27		1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.7	E	1.38	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2612-01	Acq On:	16 Jul 2025 17:16
Client Sample ID:	OR-02-071525	Operator:	YP\AJ
Data file:	FE054879.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	3.325	6.958	723125	5.315	300	ug/ml
Aliphatic C12-C16	6.959	10.410	1251921	8.906	200	ug/ml
Aliphatic C16-C21	10.411	13.787	4335636	30.027	300	ug/ml
Aliphatic C21-C28	13.788	17.458	7044946	48.703	400	ug/ml
Aliphatic C28-C40	17.459	22.479	107671506	776.585	600	ug/ml
Aliphatic EPH	3.325	22.479	121027134	869.535		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	7081086	43.6		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	5430361	43		ug/ml
Aliphatic C9-C28	3.325	17.458	13355628	92.951	1200	ug/ml