

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-E2	SDG No.:	Q2612
Lab Sample ID:	Q2612-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
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
07/16/25 09:25	07/16/25 19:18	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1	1.42	2.41	mg/kg	FE054883.D
Aliphatic C9-C28	Aliphatic C9-C28	8.01		1	1.10	4.83	mg/kg	FE054883.D
Total AliphaticEPH	Total AliphaticEPH	50.4			2.52	7.24	mg/kg	
Total EPH	Total EPH	50.4			2.52	7.24	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
FE054883.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	8.01		1.10	4.83	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2612-02	Acq On:	16 Jul 2025 19:18
Client Sample ID:	OR-02-071525-E2	Operator:	YP\AJ
Data file:	FE054883.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	3.325	6.958	869245	6.389	300	ug/ml
Aliphatic C12-C16	6.959	10.410	2092880	14.889	200	ug/ml
Aliphatic C16-C21	10.411	13.787	4838853	33.512	300	ug/ml
Aliphatic C21-C28	13.788	17.458	6468600	44.718	400	ug/ml
Aliphatic C28-C40	17.459	22.479	73043852	526.831	600	ug/ml
Aliphatic EPH	3.325	22.479	87313430	626.339		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	6281459	38.68		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4769641	37.77		ug/ml
Aliphatic C9-C28	3.325	17.458	14269578	99.508	1200	ug/ml