

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	Audubon Gas and Appliance Service MA00006789	Date Received:	06/11/25
Client Sample ID:	AU-05-061125	SDG No.:	Q2298
Lab Sample ID:	Q2298-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/17/25 15:30	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.5		1	1.30	2.20	mg/kg	FE054445.D
Aliphatic C9-C28	Aliphatic C9-C28	4.84		1	1.00	4.40	mg/kg	FE054445.D
Total AliphaticEPH	Total AliphaticEPH	21.3			2.30	6.60	mg/kg	
Total EPH	Total EPH	21.3			2.30	6.60	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
FE054445.D	1	06/17/25	06/17/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.84		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.5		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2298-01	Acq On:	17 Jun 2025 15:30
Client Sample ID:	AU-05-061125	Operator:	YP\AJ
Data file:	FE054445.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1071852	8.557	300	ug/ml
Aliphatic C12-C16	6.718	10.164	2409949	18.375	200	ug/ml
Aliphatic C16-C21	10.165	13.536	3195178	23.858	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1930086	15.189	400	ug/ml
Aliphatic C28-C40	17.203	22.064	28769040	224.328	600	ug/ml
Aliphatic EPH	3.073	22.064	37376105	290.308		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	5437671	32.91		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	4178460	34.26		ug/ml
Aliphatic C9-C28	3.073	17.202	8607065	65.979	1200	ug/ml