

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Aubudon Gas District	Date Received:	04/24/25
Client Sample ID:	AUD-25-0053	SDG No.:	Q1875
Lab Sample ID:	Q1875-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/25/25 08:45	04/25/25 19:31	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.3		1	1.26	2.14	mg/kg FE053534.D
Aliphatic C9-C28	Aliphatic C9-C28	58.0		1	0.97	4.28	mg/kg FE053534.D
Total AliphaticEPH	Total AliphaticEPH	71.3			2.23	6.42	mg/kg
Total EPH	Total EPH	71.3			2.23	6.42	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053534.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	58.0		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.3		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.5		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1875-01	Acq On:	25 Apr 2025 19:31
Client Sample ID:	AUD-25-0053	Operator:	YP\AJ
Data file:	FE053534.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	86832789	626.669	300	ug/ml
Aliphatic C12-C16	6.759	10.207	15682349	110.59	200	ug/ml
Aliphatic C16-C21	10.208	13.582	2477218	17.042	300	ug/ml
Aliphatic C21-C28	13.583	17.248	8301945	58.393	400	ug/ml
Aliphatic C28-C40	17.249	22.139	24033360	186.234	600	ug/ml
Aliphatic EPH	3.117	22.139	137327661	998.928		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	6218178	34.48		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	4738506	35.05		ug/ml
Aliphatic C9-C28	3.117	17.248	113294301	812.694	1200	ug/ml