

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	04/11/25
Client Sample ID:	SU-03-41125	SDG No.:	Q1783
Lab Sample ID:	Q1783-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
04/14/25 08:38	04/15/25 13:10	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	315		20	26.2	44.5	mg/kg	FE053368.D
Aliphatic C9-C28	Aliphatic C9-C28	386		20	20.2	88.8	mg/kg	FE053368.D
Total AliphaticEPH	Total AliphaticEPH	701			46.4	133	mg/kg	
Total EPH	Total EPH	701			46.4	133	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

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	04/11/25
Client Sample ID:	SU-03-41125	SDG No.:	Q1783
Lab Sample ID:	Q1783-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053354.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	430	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	311	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.4		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	59.4		40 - 140	119%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1783-01	Acq On:	14 Apr 2025 21:04
Client Sample ID:	SU-03-41125	Operator:	YP\AJ
Data file:	FE053354.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	135978559	871.477	300	ug/ml
Aliphatic C12-C16	6.776	10.227	409974061	2670	200	ug/ml
Aliphatic C16-C21	10.228	13.605	282139108	1950	300	ug/ml
Aliphatic C21-C28	13.606	17.276	44126441	328.45	400	ug/ml
Aliphatic C28-C40	17.277	22.185	521615419	4200	600	ug/ml
Aliphatic EPH	3.133	22.185	1393833588	10000		ug/ml
ortho-Terphenyl (SURR)	11.910	11.910	9672749	59.38		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	6294639	52.44		ug/ml
Aliphatic C9-C28	3.133	17.276	872218169	5820	1200	ug/ml