

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-E2	SDG No.:	Q1783
Lab Sample ID:	Q1783-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.05 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 12:40	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	424		20	26.2	44.5	mg/kg FE053367.D
Aliphatic C9-C28	Aliphatic C9-C28	876		20	20.3	88.8	mg/kg FE053367.D
Total AliphaticEPH	Total AliphaticEPH	1300			46.5	133	mg/kg
Total EPH	Total EPH	1300			46.5	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

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053353.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	791	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	359	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.2		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.5		40 - 140	113%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1783-02	Acq On:	14 Apr 2025 20:34
Client Sample ID:	SU-03-41125-E2	Operator:	YP\AJ
Data file:	FE053353.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	3.133	6.775	208242247	1330	300	ug/ml
Aliphatic C12-C16	6.776	10.227	743068668	4840	200	ug/ml
Aliphatic C16-C21	10.228	13.605	551202751	3820	300	ug/ml
Aliphatic C21-C28	13.606	17.276	92144634	685.868	400	ug/ml
Aliphatic C28-C40	17.277	22.185	602472345	4850	600	ug/ml
Aliphatic EPH	3.133	22.185	2197130645	15500		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	9200588	56.49		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	7701514	64.16		ug/ml
Aliphatic C9-C28	3.133	17.276	1594658300	10700	1200	ug/ml