

Report of Analysis

Client:	PSEG	Date Collected:	03/10/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	03/10/25
Client Sample ID:	SU-03-03102025	SDG No.:	Q1535
Lab Sample ID:	Q1535-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
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
03/11/25 09:30	03/12/25 9:21	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	52.7		2	3.98	4.42	mg/kg FE052756.D
Aliphatic C9-C28	Aliphatic C9-C28	23.6		1	1.90	4.43	mg/kg FE052746.D
Total AliphaticEPH	Total AliphaticEPH	76.3			5.88	8.85	mg/kg
Total EPH	Total EPH	76.3			5.88	8.85	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
FE052746.D	1	03/11/25	03/11/25	PB167079

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.6		1.90	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.3	E	1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1535-01	Acq On:	11 Mar 2025 21:42
Client Sample ID:	SU-03-03102025	Operator:	YP\AJ
Data file:	FE052746.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	939084	6.022	300	ug/ml
Aliphatic C12-C16	6.792	10.243	2662775	17.507	200	ug/ml
Aliphatic C16-C21	10.244	13.622	18619003	127.05	300	ug/ml
Aliphatic C21-C28	13.623	17.293	24072876	168.99	400	ug/ml
Aliphatic C28-C40	17.294	22.207	83651659	655.633	600	ug/ml
Aliphatic EPH	3.148	22.207	129945397	975.202		ug/ml
ortho-Terphenyl (SURR)	11.910	11.910	5268410	31.25		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	4344849	35.78		ug/ml
Aliphatic C9-C28	3.148	17.293	46293738	319.569	1200	ug/ml