

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-E2	SDG No.:	Q1535
Lab Sample ID:	Q1535-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.02 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	03/11/25 23:42	PB167079

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	39.9		1	2.18	2.42	mg/kg FE052750.D
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	2.08	4.84	mg/kg FE052750.D
Total AliphaticEPH	Total AliphaticEPH	54.4			4.26	7.26	mg/kg
Total EPH	Total EPH	54.4			4.26	7.26	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
FE052750.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	14.5		2.08	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.9		2.18	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1535-02	Acq On:	11 Mar 2025 23:42
Client Sample ID:	SU-03-03102025-E2	Operator:	YP\AJ
Data file:	FE052750.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	821118	5.265	300	ug/ml
Aliphatic C12-C16	6.792	10.243	2250938	14.799	200	ug/ml
Aliphatic C16-C21	10.244	13.622	9364518	63.901	300	ug/ml
Aliphatic C21-C28	13.623	17.293	14441194	101.376	400	ug/ml
Aliphatic C28-C40	17.294	22.207	63077147	494.377	600	ug/ml
Aliphatic EPH	3.148	22.207	89954915	679.718		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	5115776	30.35		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4158460	34.25		ug/ml
Aliphatic C9-C28	3.148	17.293	26877768	185.341	1200	ug/ml