

Report of Analysis

Client:	PSEG	Date Collected:	01/21/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	01/21/25
Client Sample ID:	SU-4-012125	SDG No.:	Q1141
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/22/25 08:25	01/22/25 14:38	PB166164

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	1.87	2.08	mg/kg FE051997.D
Aliphatic C9-C28	Aliphatic C9-C28	12.9		1	1.79	4.15	mg/kg FE051997.D
Total AliphaticEPH	Total AliphaticEPH	38.8			3.66	6.23	mg/kg
Total EPH	Total EPH	38.8			3.66	6.23	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051997.D	1	01/22/25	01/22/25	PB166164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.9		1.79	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1.87	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.6		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.0		40 - 140	42%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1141-01	Acq On:	22 Jan 2025 14:38
Client Sample ID:	SU-4-012125	Operator:	YP\AJ
Data file:	FE051997.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.576	7.131	582895	5.316	300	ug/ml
Aliphatic C12-C16	7.132	10.531	3015261	24.875	200	ug/ml
Aliphatic C16-C21	10.532	13.875	10529926	80.266	300	ug/ml
Aliphatic C21-C28	13.876	17.519	10654113	80.677	400	ug/ml
Aliphatic C28-C40	17.520	22.538	40121293	373.944	600	ug/ml
Aliphatic EPH	3.576	22.538	64903488	565.078		ug/ml
ortho-Terphenyl (SURR)	12.199	12.199	3003530	21.01		ug/ml
1-chlorooctadecane (SURR)	13.613	13.613	2707264	23.6		ug/ml
Aliphatic C9-C28	3.576	17.519	24782195	191.134	1200	ug/ml