

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-E2	SDG No.:	Q1141
Lab Sample ID:	Q1141-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.04 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	01/23/25 7:59	PB166164

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	48.8		2	3.82	4.24	mg/kg	FE052010.D
Aliphatic C9-C28	Aliphatic C9-C28	38.3		1	1.82	4.24	mg/kg	FE052004.D
Total AliphaticEPH	Total AliphaticEPH	87.0			5.64	8.48	mg/kg	
Total EPH	Total EPH	87.0			5.64	8.48	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
FE052004.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	38.3		1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	47.0	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.3		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1141-04	Acq On:	22 Jan 2025 18:08
Client Sample ID:	SU-4-012125-E2	Operator:	YP\AJ
Data file:	FE052004.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.576	7.131	571457	5.212	300	ug/ml
Aliphatic C12-C16	7.132	10.531	8660872	71.451	200	ug/ml
Aliphatic C16-C21	10.532	13.875	34425605	262.415	300	ug/ml
Aliphatic C21-C28	13.876	17.519	27448028	207.846	400	ug/ml
Aliphatic C28-C40	17.520	22.538	71377017	665.258	600	ug/ml
Aliphatic EPH	3.576	22.538	142482979	1210		ug/ml
ortho-Terphenyl (SURR)	12.208	12.208	3767250	26.36		ug/ml
1-chlorooctadecane (SURR)	13.620	13.620	2781827	24.25		ug/ml
Aliphatic C9-C28	3.576	17.519	71105962	546.924	1200	ug/ml