

Report of Analysis

Client:	PSEG	Date Collected:	10/29/24
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	10/29/24
Client Sample ID:	SU-03-102924	SDG No.:	P4619
Lab Sample ID:	P4619-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
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
10/30/24 10:50	10/30/24 14:58	PB164528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1	1.95	2.16	mg/kg FE050900.D
Aliphatic C9-C28	Aliphatic C9-C28	12.4		1	1.86	4.32	mg/kg FE050900.D
Total AliphaticEPH	Total AliphaticEPH	33.6			3.81	6.48	mg/kg
Total EPH	Total EPH	33.6			3.81	6.48	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050900.D	1	10/30/24	10/30/24	PB164528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.4		1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1.95	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.0		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4619-01	Acq On:	30 Oct 2024 14:58
Client Sample ID:	SU-03-102924	Operator:	YP\AJ
Data file:	FE050900.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.144	6.762	431462	3.019	300	ug/ml
Aliphatic C12-C16	6.763	10.194	2758047	19.006	200	ug/ml
Aliphatic C16-C21	10.195	13.554	8543088	59.162	300	ug/ml
Aliphatic C21-C28	13.555	17.208	13324298	93.731	400	ug/ml
Aliphatic C28-C40	17.209	22.057	40586007	293.457	600	ug/ml
Aliphatic EPH	3.144	22.057	65642902	468.374		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	5999439	38.05		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	5006977	42.33		ug/ml
Aliphatic C9-C28	3.144	17.208	25056895	174.918	1200	ug/ml