

Report of Analysis

Client:	PSEG	Date Collected:	11/27/24
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	11/27/24
Client Sample ID:	SU-04-11222024-E2	SDG No.:	P5045
Lab Sample ID:	P5045-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/02/24 09:49	12/02/24 16:12	PB165314

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	46.6		1	2.13	2.37	mg/kg FC067889.D
Aliphatic C9-C28	Aliphatic C9-C28	27.8		1	2.04	4.73	mg/kg FC067889.D
Total AliphaticEPH	Total AliphaticEPH	74.4			4.17	7.10	mg/kg
Total EPH	Total EPH	74.4			4.17	7.10	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
FC067889.D	1	12/02/24	12/02/24	PB165314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27.8		2.04	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.6		2.13	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.9		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5045-02	Acq On:	02 Dec 2024 16:12
Client Sample ID:	SU-04-11222024-E2	Operator:	YP/AJ
Data file:	FC067889.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.191	6.465	3372382	20.341	300	ug/ml
Aliphatic C12-C16	6.466	9.852	4598744	26.99	200	ug/ml
Aliphatic C16-C21	9.853	13.207	26121064	153.996	300	ug/ml
Aliphatic C21-C28	13.208	16.858	23808900	151.379	400	ug/ml
Aliphatic C28-C40	16.859	21.701	71462323	590.055	600	ug/ml
Aliphatic EPH	3.191	21.701	129363413	942.761		ug/ml
ortho-Terphenyl (SURR)	11.506	11.506	7158948	36.93		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	5876649	40.48		ug/ml
Aliphatic C9-C28	3.191	16.858	57901090	352.706	1200	ug/ml