

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	02/04/25
Client Sample ID:	SU-03-2-4-2025	SDG No.:	Q1284
Lab Sample ID:	Q1284-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
02/05/25 10:10	02/05/25 15:53	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.6		1	2.04	2.27	mg/kg FE052240.D
Aliphatic C9-C28	Aliphatic C9-C28	31.5		1	1.95	4.53	mg/kg FE052240.D
Total AliphaticEPH	Total AliphaticEPH	59.1			3.99	6.80	mg/kg
Total EPH	Total EPH	59.1			3.99	6.80	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
FE052240.D	1	02/05/25	02/05/25	PB166565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	31.5		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.6		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1284-01	Acq On:	05 Feb 2025 15:53
Client Sample ID:	SU-03-2-4-2025	Operator:	YP\AJ
Data file:	FE052240.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	78247174	783.255		ug/ml
ortho-Terphenyl (SURR)	12.291	12.291	4484702	36.23		ug/ml
1-chlorooctadecane (SURR)	13.703	13.703	3592236	36.4		ug/ml
Aliphatic C9-C12	3.648	7.209	4752617	49.412	300	ug/ml
Aliphatic C12-C16	7.210	10.614	20571658	196.455	200	ug/ml
Aliphatic C16-C21	10.615	13.961	14900866	131.84	300	ug/ml
Aliphatic C21-C28	13.962	17.604	4533818	39.771	400	ug/ml
Aliphatic C28-C40	17.605	22.673	33488215	365.777	600	ug/ml
Aliphatic C9-C28	3.648	17.604	44758959	417.478	1200	ug/ml