

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Galloping Hills Sub OP	Date Received:	04/24/25
Client Sample ID:	MH-B	SDG No.:	Q1871
Lab Sample ID:	Q1871-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/25/25 08:45	04/25/25 15:54	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.67		1	1.29	2.19	mg/kg FE053529.D
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1	1.00	4.39	mg/kg FE053529.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.29	6.58	mg/kg
Total EPH	Total EPH	17.4			2.29	6.58	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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Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053529.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.8		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.67		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.0		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1871-05	Acq On:	25 Apr 2025 15:54
Client Sample ID:	MH-B	Operator:	YP\AJ
Data file:	FE053529.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	635290	4.585	300	ug/ml
Aliphatic C12-C16	6.759	10.207	2352220	16.588	200	ug/ml
Aliphatic C16-C21	10.208	13.582	11665577	80.251	300	ug/ml
Aliphatic C21-C28	13.583	17.248	6559360	46.136	400	ug/ml
Aliphatic C28-C40	17.249	22.139	11794294	91.394	600	ug/ml
Aliphatic EPH	3.117	22.139	33006741	238.953		ug/ml
ortho-Terphenyl (SURR)	11.871	11.871	7583281	42.04		ug/ml
1-chlorooctadecane (SURR)	13.317	13.317	5929223	43.86		ug/ml
Aliphatic C9-C28	3.117	17.248	21212447	147.56	1200	ug/ml