

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	Galloping Hills Sub OP	Date Received:	04/28/25
Client Sample ID:	MH-H	SDG No.:	Q1905
Lab Sample ID:	Q1905-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/29/25 09:05	04/29/25 16:43	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1	1.26	2.14	mg/kg FE053572.D
Aliphatic C9-C28	Aliphatic C9-C28	7.03		1	0.97	4.27	mg/kg FE053572.D
Total AliphaticEPH	Total AliphaticEPH	10.9			2.23	6.41	mg/kg
Total EPH	Total EPH	10.9			2.23	6.41	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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Lab Sample ID:	Q1905-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.05 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
FE053572.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.03		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1905-05	Acq On:	29 Apr 2025 16:43
Client Sample ID:	MH-H	Operator:	YP\AJ
Data file:	FE053572.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	3.116	6.759	481698	3.476	300	ug/ml
Aliphatic C12-C16	6.760	10.208	1910020	13.469	200	ug/ml
Aliphatic C16-C21	10.209	13.583	5679700	39.072	300	ug/ml
Aliphatic C21-C28	13.584	17.253	6073891	42.721	400	ug/ml
Aliphatic C28-C40	17.254	22.144	7007340	54.3	600	ug/ml
Aliphatic EPH	3.116	22.144	21152649	153.039		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	5972967	33.12		ug/ml
1-chlorooctadecane (SURR)	13.314	13.314	4930856	36.48		ug/ml
Aliphatic C9-C28	3.116	17.253	14145309	98.738	1200	ug/ml