

Report of Analysis

Client:	PSEG	Date Collected:	11/13/24
Project:	Hillsborough M&R	Date Received:	11/13/24
Client Sample ID:	STOCK-PILE	SDG No.:	P4825
Lab Sample ID:	P4825-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/14/24 09:40	11/14/24 14:17	PB164966

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	28.7		1	2.00	2.23	mg/kg FE051233.D
Aliphatic C9-C28	Aliphatic C9-C28	22.6		1	1.92	4.44	mg/kg FE051233.D
Total AliphaticEPH	Total AliphaticEPH	51.3			3.92	6.67	mg/kg
Total EPH	Total EPH	51.3			3.92	6.67	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051233.D	1	11/14/24	11/14/24	PB164966

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22.6		1.92	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.7		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.1		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.9		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4825-01	Acq On:	14 Nov 2024 14:17
Client Sample ID:	STOCK-PILE	Operator:	YP\AJ
Data file:	FE051233.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.753	1902021	13.594	300	ug/ml
Aliphatic C12-C16	6.754	10.184	14912786	106.039	200	ug/ml
Aliphatic C16-C21	10.185	13.542	12351502	89.654	300	ug/ml
Aliphatic C21-C28	13.543	17.196	12670929	94.593	400	ug/ml
Aliphatic C28-C40	17.197	22.038	49696845	386	600	ug/ml
Aliphatic EPH	3.135	22.038	91534083	689.88		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	3741331	24.93		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	2960472	26.08		ug/ml
Aliphatic C9-C28	3.135	17.196	41837238	303.88	1200	ug/ml