

Report of Analysis

Client:	PSEG	Date Collected:	10/22/24
Project:	Elmwood Park Laydown Yard	Date Received:	10/22/24
Client Sample ID:	D20241001-01-04	SDG No.:	P4485
Lab Sample ID:	P4485-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	58.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 08:45	10/23/24 19:50	PB164337

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	3.09	3.43	mg/kg FE050800.D
Aliphatic C9-C28	Aliphatic C9-C28	8.63		1	2.95	6.85	mg/kg FE050800.D
Total AliphaticEPH	Total AliphaticEPH	18.9			6.04	10.3	mg/kg
Total EPH	Total EPH	18.9			6.04	10.3	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:	58.2
Sample Wt/Vol:	30.06 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
FE050800.D	1	10/23/24	10/23/24	PB164337

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.63		2.95	6.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		3.09	3.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4485-01	Acq On:	23 Oct 2024 19:50
Client Sample ID:	D20241001-01-04	Operator:	YP\AJ
Data file:	FE050800.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.767	1175688	8.227	300	ug/ml
Aliphatic C12-C16	6.768	10.200	2646059	18.234	200	ug/ml
Aliphatic C16-C21	10.201	13.561	4113764	28.488	300	ug/ml
Aliphatic C21-C28	13.562	17.217	2927968	20.597	400	ug/ml
Aliphatic C28-C40	17.218	22.069	12449768	90.018	600	ug/ml
Aliphatic EPH	3.150	22.069	23313247	165.564		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5937997	37.66		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	4729031	39.98		ug/ml
Aliphatic C9-C28	3.150	17.217	10863479	75.546	1200	ug/ml