

Report of Analysis

Client:	PSEG	Date Collected:	11/27/24
Project:	Harding (Morristown) Distribution Sub MA00006789	Date Received:	11/27/24
Client Sample ID:	HD-01-11272024	SDG No.:	P5046
Lab Sample ID:	P5046-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/02/24 09:49	12/02/24 16:47	PB165314

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	2.02	2.24	mg/kg FC067890.D
Aliphatic C9-C28	Aliphatic C9-C28	5.07		1	1.93	4.48	mg/kg FC067890.D
Total AliphaticEPH	Total AliphaticEPH	16.8			3.95	6.72	mg/kg
Total EPH	Total EPH	16.8			3.95	6.72	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
FC067890.D	1	12/02/24	12/02/24	PB165314

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.07		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.2		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5046-01	Acq On:	02 Dec 2024 16:47
Client Sample ID:	HD-01-11272024	Operator:	YP/AJ
Data file:	FC067890.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.191	6.465	4051355	24.436	300	ug/ml
Aliphatic C12-C16	6.466	9.852	1510561	8.866	200	ug/ml
Aliphatic C16-C21	9.853	13.207	2881067	16.985	300	ug/ml
Aliphatic C21-C28	13.208	16.858	2758296	17.537	400	ug/ml
Aliphatic C28-C40	16.859	21.701	18886030	155.939	600	ug/ml
Aliphatic EPH	3.191	21.701	30087309	223.764		ug/ml
ortho-Terphenyl (SURR)	11.506	11.506	7796626	40.21		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	6119998	42.16		ug/ml
Aliphatic C9-C28	3.191	16.858	11201279	67.824	1200	ug/ml