

Report of Analysis

Client:	PSEG	Date Collected:	11/18/24
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	11/19/24
Client Sample ID:	TP-2-EPH	SDG No.:	P4916
Lab Sample ID:	P4916-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.2
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
11/20/24 10:10	11/21/24 8:38	PB165131

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	106		5	9.33	10.4	mg/kg FE051378.D
Aliphatic C9-C28	Aliphatic C9-C28	7.85		1	1.78	4.15	mg/kg FE051364.D
Total AliphaticEPH	Total AliphaticEPH	114			11.1	14.6	mg/kg
Total EPH	Total EPH	114			11.1	14.6	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
FE051364.D	1	11/20/24	11/20/24	PB165131

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.85		1.78	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.1	E	1.87	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4916-06	Acq On:	20 Nov 2024 15:56
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE051364.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.748	374187	2.674	300	ug/ml
Aliphatic C12-C16	6.749	10.181	924369	6.573	200	ug/ml
Aliphatic C16-C21	10.182	13.541	5998646	43.542	300	ug/ml
Aliphatic C21-C28	13.542	17.196	8500059	63.456	400	ug/ml
Aliphatic C28-C40	17.197	22.039	167832305	1300	600	ug/ml
Aliphatic EPH	3.133	22.039	183629566	1420		ug/ml
ortho-Terphenyl (SURR)	11.845	11.845	5317676	35.43		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	4178952	36.81		ug/ml
Aliphatic C9-C28	3.133	17.196	15797261	116.245	1200	ug/ml