

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-1-WC	SDG No.:	P4916
Lab Sample ID:	P4916-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.6
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
11/20/24 10:10	11/20/24 14:26	PB165131

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.74		1	1.88	2.09	mg/kg	FE051361.D
Aliphatic C9-C28	Aliphatic C9-C28	2.26	J	1	1.80	4.17	mg/kg	FE051361.D
Total AliphaticEPH	Total AliphaticEPH	7.00			3.68	6.26	mg/kg	
Total EPH	Total EPH	7.00			3.68	6.26	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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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
FE051361.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	2.26	J	1.80	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.74		1.88	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.1		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.7		40 - 140	111%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4916-01	Acq On:	20 Nov 2024 14:26
Client Sample ID:	TP-1-WC	Operator:	YP\AJ
Data file:	FE051361.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.748	274515	1.962	300	ug/ml
Aliphatic C12-C16	6.749	10.181	719953	5.119	200	ug/ml
Aliphatic C16-C21	10.182	13.541	1848097	13.415	300	ug/ml
Aliphatic C21-C28	13.542	17.196	1860978	13.893	400	ug/ml
Aliphatic C28-C40	17.197	22.039	8770038	68.118	600	ug/ml
Aliphatic EPH	3.133	22.039	13473581	102.506		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	8363436	55.72		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	6592110	58.06		ug/ml
Aliphatic C9-C28	3.133	17.196	4703543	34.389	1200	ug/ml