

Report of Analysis

Client:	PSEG	Date Collected:	10/21/24
Project:	181 Boulevard MH & Conduit	Date Received:	10/21/24
Client Sample ID:	TP-1	SDG No.:	P4467
Lab Sample ID:	P4467-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/22/24 08:39	10/22/24 15:05	PB164308

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.77		1	1.98	2.20	mg/kg	FE050764.D
Aliphatic C9-C28	Aliphatic C9-C28	1.97	J	1	1.89	4.40	mg/kg	FE050764.D
Total AliphaticEPH	Total AliphaticEPH	10.7			3.87	6.60	mg/kg	
Total EPH	Total EPH	10.7			3.87	6.60	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
FE050764.D	1	10/22/24	10/22/24	PB164308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.97	J	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.77		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4467-01	Acq On:	22 Oct 2024 15:05
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE050764.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	3.150	6.769	316506	2.215	300	ug/ml
Aliphatic C12-C16	6.770	10.202	786943	5.423	200	ug/ml
Aliphatic C16-C21	10.203	13.562	1030544	7.137	300	ug/ml
Aliphatic C21-C28	13.563	17.219	2041183	14.359	400	ug/ml
Aliphatic C28-C40	17.220	22.072	16535269	119.558	600	ug/ml
Aliphatic EPH	3.150	22.072	20710445	148.691		ug/ml
ortho-Terphenyl (SURR)	11.862	11.862	4734645	30.03		ug/ml
1-chlorooctadecane (SURR)	13.297	13.297	3847782	32.53		ug/ml
Aliphatic C9-C28	3.150	17.219	4175176	29.134	1200	ug/ml