

Report of Analysis

Client:	PSEG	Date Collected:	11/01/24
Project:	PSEG Clay Street	Date Received:	11/02/24
Client Sample ID:	Z-01	SDG No.:	P4695
Lab Sample ID:	P4695-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/05/24 09:56	11/05/24 22:57	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1	2.11	2.35	mg/kg	FE051041.D
Aliphatic C9-C28	Aliphatic C9-C28	169		5	10.1	23.5	mg/kg	FE051065.D
Total AliphaticEPH	Total AliphaticEPH	183			12.2	25.8	mg/kg	
Total EPH	Total EPH	183			12.2	25.8	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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Client:	PSEG	Date Collected:	11/01/24
Project:	PSEG Clay Street	Date Received:	11/02/24
Client Sample ID:	Z-01	SDG No.:	P4695
Lab Sample ID:	P4695-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.01 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
FE051041.D	1	11/05/24	11/05/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	156	E	2.02	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.5		2.11	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	77.0		40 - 140	154%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4695-01	Acq On:	05 Nov 2024 22:57
Client Sample ID:	Z-01	Operator:	YP\AJ
Data file:	FE051041.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	5690411	39.821	300	ug/ml
Aliphatic C12-C16	6.761	10.191	43165068	297.448	200	ug/ml
Aliphatic C16-C21	10.192	13.549	139756631	967.835	300	ug/ml
Aliphatic C21-C28	13.550	17.205	97590575	686.509	400	ug/ml
Aliphatic C28-C40	17.206	22.048	23848192	172.434	600	ug/ml
Aliphatic EPH	3.140	22.048	310050877	2160		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	5577515	35.38		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	9112599	77.03		ug/ml
Aliphatic C9-C28	3.140	17.205	286202685	1990	1200	ug/ml