

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-2	SDG No.:	Q1695
Lab Sample ID:	Q1695-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
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
04/03/25 10:09	04/04/25 8:34	PB167440

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	201		10	13.4	22.7	mg/kg FE053182.D
Aliphatic C9-C28	Aliphatic C9-C28	127		10	10.3	45.6	mg/kg FE053182.D
Total AliphaticEPH	Total AliphaticEPH	328			23.7	68.3	mg/kg
Total EPH	Total EPH	328			23.7	68.3	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053169.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	139	E	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	171	E	1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1695-01	Acq On:	03 Apr 2025 18:55
Client Sample ID:	TT-2	Operator:	YP\AJ
Data file:	FE053169.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	2851464	18.275	300	ug/ml
Aliphatic C12-C16	6.780	10.229	6862281	44.667	200	ug/ml
Aliphatic C16-C21	10.230	13.605	54356836	376.596	300	ug/ml
Aliphatic C21-C28	13.606	17.275	189563416	1410	400	ug/ml
Aliphatic C28-C40	17.276	22.175	282015969	2270	600	ug/ml
Aliphatic EPH	3.138	22.175	535649966	4120		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	4603191	28.26		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	4625913	38.53		ug/ml
Aliphatic C9-C28	3.138	17.275	253633997	1850	1200	ug/ml