

Report of Analysis

Client:	PSEG	Date Collected:	11/03/24
Project:	PSEG Clay Street	Date Received:	11/04/24
Client Sample ID:	Z-03A	SDG No.:	P4694
Lab Sample ID:	P4694-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.03	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	11/06/24 13:20	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	142		5	9.89	11.0	mg/kg FE051069.D
Aliphatic C9-C28	Aliphatic C9-C28	17.9		1	1.89	4.40	mg/kg FE051053.D
Total AliphaticEPH	Total AliphaticEPH	160			11.8	15.4	mg/kg
Total EPH	Total EPH	160			11.8	15.4	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051053.D	1	11/05/24	11/06/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	17.9		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	138	E	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4694-01	Acq On:	06 Nov 2024 04:58
Client Sample ID:	Z-03A	Operator:	YP\AJ
Data file:	FE051053.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	975166	6.824	300	ug/ml
Aliphatic C12-C16	6.761	10.191	2843537	19.595	200	ug/ml
Aliphatic C16-C21	10.192	13.549	14915242	103.29	300	ug/ml
Aliphatic C21-C28	13.550	17.205	16230707	114.176	400	ug/ml
Aliphatic C28-C40	17.206	22.048	260705059	1890	600	ug/ml
Aliphatic EPH	3.140	22.048	295669711	2130		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	4773630	30.28		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4013825	33.93		ug/ml
Aliphatic C9-C28	3.140	17.205	34964652	243.885	1200	ug/ml