

Report of Analysis

Client:	PSEG	Date Collected:	10/31/24
Project:	PSEG Clay Street	Date Received:	10/31/24
Client Sample ID:	Z-02-WC	SDG No.:	P4645
Lab Sample ID:	P4645-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/04/24 11:20	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	70.3		2	3.93	4.37	mg/kg FE050995.D
Aliphatic C9-C28	Aliphatic C9-C28	47.6		1	1.88	4.37	mg/kg FE050981.D
Total AliphaticEPH	Total AliphaticEPH	118			5.81	8.74	mg/kg
Total EPH	Total EPH	118			5.81	8.74	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:	30.1	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050981.D	1	11/01/24	11/02/24	PB164589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	47.6		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.4	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.7		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4645-01	Acq On:	02 Nov 2024 00:36
Client Sample ID:	Z-02-WC	Operator:	YP\AJ
Data file:	FE050981.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	208914962	1490		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	4680862	29.69		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5098232	43.1		ug/ml
Aliphatic C9-C12	3.143	6.761	548689	3.84	300	ug/ml
Aliphatic C12-C16	6.762	10.193	6079384	41.893	200	ug/ml
Aliphatic C16-C21	10.194	13.552	40919036	283.37	300	ug/ml
Aliphatic C21-C28	13.553	17.208	46748237	328.854	400	ug/ml
Aliphatic C28-C40	17.209	22.051	114619616	828.756	600	ug/ml
Aliphatic C9-C28	3.143	17.208	94295346	657.957	1200	ug/ml