

Report of Analysis

Client:	PSEG	Date Collected:	12/05/24
Project:	Lawrenceville HQ	Date Received:	12/05/24
Client Sample ID:	COMP-1	SDG No.:	P5136
Lab Sample ID:	P5136-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.8
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/06/24 09:50	12/06/24 16:04	PB165426

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	137		1	14.8	16.4	mg/kg FE051571.D
Aliphatic C9-C28	Aliphatic C9-C28	1580		5	70.7	164	mg/kg FE051583.D
Total AliphaticEPH	Total AliphaticEPH	1720			85.5	181	mg/kg
Total EPH	Total EPH	1720			85.5	181	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
FE051571.D	1	12/06/24	12/06/24	PB165426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1520	E	14.2	32.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	137		14.8	16.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5136-01	Acq On:	06 Dec 2024 16:04
Client Sample ID:	COMP-1	Operator:	YP\AJ
Data file:	FE051571.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.733	2147530	15.184	300	ug/ml
Aliphatic C12-C16	6.734	10.164	40316249	286.458	200	ug/ml
Aliphatic C16-C21	10.165	13.524	253888243	1830	300	ug/ml
Aliphatic C21-C28	13.525	17.178	85009284	649.908	400	ug/ml
Aliphatic C28-C40	17.179	22.011	26911085	251.272	600	ug/ml
Aliphatic EPH	3.118	22.011	408272391	3030		ug/ml
ortho-Terphenyl (SURR)	11.831	11.831	5977418	39.56		ug/ml
1-chlorooctadecane (SURR)	13.263	13.263	5028175	44.99		ug/ml
Aliphatic C9-C28	3.118	17.178	381361306	2780	1200	ug/ml