

Report of Analysis

Client:	PSEG	Date Collected:	10/28/24
Project:	Harvey Switch	Date Received:	10/28/24
Client Sample ID:	BLUE-2-2-E2	SDG No.:	P4597
Lab Sample ID:	P4597-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/29/24 09:50	10/29/24 21:23	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.89		1	1.79	1.99	mg/kg	FE050894.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	1.72	3.99	mg/kg	FE050894.D
Total AliphaticEPH	Total AliphaticEPH	4.89	J		3.50	5.98	mg/kg	
Total EPH	Total EPH	4.89	J		3.50	5.98	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
FE050894.D	1	10/29/24	10/29/24	PB164498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.89		1.79	1.99	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4597-11	Acq On:	29 Oct 2024 21:23
Client Sample ID:	BLUE-2-2-E2	Operator:	YP\AJ
Data file:	FE050894.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	2287602	16.008	300	ug/ml
Aliphatic C12-C16	6.767	10.199	498283	3.434	200	ug/ml
Aliphatic C16-C21	10.200	13.559	751727	5.206	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1168817	8.222	400	ug/ml
Aliphatic C28-C40	17.217	22.071	10167526	73.516	600	ug/ml
Aliphatic EPH	3.149	22.071	14873955	106.386		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	4639575	29.43		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	3693264	31.22		ug/ml
Aliphatic C9-C28	3.149	17.216	4706429	32.87	1200	ug/ml