

Report of Analysis

Client:	PSEG	Date Collected:	10/28/24
Project:	Harvey Switch	Date Received:	10/28/24
Client Sample ID:	RED-1-1	SDG No.:	P4597
Lab Sample ID:	P4597-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/29/24 09:50	10/29/24 16:20	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1	2.03	2.26	mg/kg FE050884.D
Aliphatic C9-C28	Aliphatic C9-C28	11.3		1	1.94	4.51	mg/kg FE050884.D
Total AliphaticEPH	Total AliphaticEPH	22.9			3.97	6.77	mg/kg
Total EPH	Total EPH	22.9			3.97	6.77	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:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050884.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	11.3		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.6		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4597-01	Acq On:	29 Oct 2024 16:20
Client Sample ID:	RED-1-1	Operator:	YP\AJ
Data file:	FE050884.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	1830842	12.812	300	ug/ml
Aliphatic C12-C16	6.767	10.199	988747	6.813	200	ug/ml
Aliphatic C16-C21	10.200	13.559	9879376	68.416	300	ug/ml
Aliphatic C21-C28	13.560	17.216	8918542	62.738	400	ug/ml
Aliphatic C28-C40	17.217	22.071	21290047	153.937	600	ug/ml
Aliphatic EPH	3.149	22.071	42907554	304.717		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5082882	32.24		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4277471	36.16		ug/ml
Aliphatic C9-C28	3.149	17.216	21617507	150.779	1200	ug/ml