

Report of Analysis

Client:	PSEG	Date Collected:	10/28/24
Project:	Harvey Switch	Date Received:	10/28/24
Client Sample ID:	RED-1-2	SDG No.:	P4597
Lab Sample ID:	P4597-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05	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 19:52	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.60		1	1.80	2.00	mg/kg	FE050891.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	1.72	3.99	mg/kg	FE050891.D
Total AliphaticEPH	Total AliphaticEPH	5.60	J		3.52	5.99	mg/kg	
Total EPH	Total EPH	5.60	J		3.52	5.99	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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 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
FE050891.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	5.60		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4597-04	Acq On:	29 Oct 2024 19:52
Client Sample ID:	RED-1-2	Operator:	YP\AJ
Data file:	FE050891.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	1668574	11.677	300	ug/ml
Aliphatic C12-C16	6.767	10.199	671923	4.63	200	ug/ml
Aliphatic C16-C21	10.200	13.559	801895	5.553	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1303702	9.171	400	ug/ml
Aliphatic C28-C40	17.217	22.071	11643596	84.189	600	ug/ml
Aliphatic EPH	3.149	22.071	16089690	115.22		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	4351885	27.6		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	3474532	29.37		ug/ml
Aliphatic C9-C28	3.149	17.216	4446094	31.031	1200	ug/ml