

Report of Analysis

Client:	PSEG	Date Collected:	10/28/24
Project:	Harvey Switch	Date Received:	10/28/24
Client Sample ID:	RED-1-1-E2	SDG No.:	P4597
Lab Sample ID:	P4597-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	30.02	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 18:21	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.2		1	1.99	2.21	mg/kg	FE050888.D
Aliphatic C9-C28	Aliphatic C9-C28	4.10	J	1	1.90	4.43	mg/kg	FE050888.D
Total AliphaticEPH	Total AliphaticEPH	17.3			3.89	6.64	mg/kg	
Total EPH	Total EPH	17.3			3.89	6.64	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050888.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	4.10	J	1.90	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.2		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.8		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4597-02	Acq On:	29 Oct 2024 18:21
Client Sample ID:	RED-1-1-E2	Operator:	YP\AJ
Data file:	FE050888.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	1843866	12.903	300	ug/ml
Aliphatic C12-C16	6.767	10.199	1293193	8.911	200	ug/ml
Aliphatic C16-C21	10.200	13.559	1742923	12.07	300	ug/ml
Aliphatic C21-C28	13.560	17.216	3087854	21.722	400	ug/ml
Aliphatic C28-C40	17.217	22.071	24785379	179.21	600	ug/ml
Aliphatic EPH	3.149	22.071	32753215	234.817		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	5326033	33.78		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	4319149	36.51		ug/ml
Aliphatic C9-C28	3.149	17.216	7967836	55.606	1200	ug/ml