

Report of Analysis

Client:	PSEG	Date Collected:	10/28/24
Project:	Harvey Switch	Date Received:	10/28/24
Client Sample ID:	RED-1-2-E2	SDG No.:	P4597
Lab Sample ID:	P4597-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06	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 20:22	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.88		1	1.80	2.00	mg/kg	FE050892.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	1.72	3.99	mg/kg	FE050892.D
Total AliphaticEPH	Total AliphaticEPH	4.88	J		3.52	5.99	mg/kg	
Total EPH	Total EPH	4.88	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050892.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	4.88		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4597-05	Acq On:	29 Oct 2024 20:22
Client Sample ID:	RED-1-2-E2	Operator:	YP\AJ
Data file:	FE050892.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	1661466	11.627	300	ug/ml
Aliphatic C12-C16	6.767	10.199	850762	5.863	200	ug/ml
Aliphatic C16-C21	10.200	13.559	754747	5.227	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1258393	8.852	400	ug/ml
Aliphatic C28-C40	17.217	22.071	10147031	73.368	600	ug/ml
Aliphatic EPH	3.149	22.071	14672399	104.936		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4698151	29.8		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	3727208	31.51		ug/ml
Aliphatic C9-C28	3.149	17.216	4525368	31.569	1200	ug/ml