

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Clifton HQ	Date Received:	11/14/24
Client Sample ID:	ETGI-328	SDG No.:	P4857
Lab Sample ID:	P4857-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	5.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/18/24 17:23	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	732		5	60.0	66.7	mg/kg FE051315.D
Aliphatic C9-C28	Aliphatic C9-C28	168000		500	5730	13300	mg/kg FE051338.D
Total AliphaticEPH	Total AliphaticEPH	169000			5790	13400	mg/kg
Total EPH	Total EPH	169000			5790	13400	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
FE051293.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	157000	E	11.5	26.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	744	E	12.0	13.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4857-01	Acq On:	16 Nov 2024 07:55
Client Sample ID:	ETGI-328	Operator:	YP\AJ
Data file:	FE051293.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	20990046	150.02	300	ug/ml
Aliphatic C12-C16	6.754	10.185	4699793656	33400	200	ug/ml
Aliphatic C16-C21	10.186	13.544	30219023165	219000	300	ug/ml
Aliphatic C21-C28	13.545	17.200	13443721530	100000	400	ug/ml
Aliphatic C28-C40	17.201	22.043	215826466	1680	600	ug/ml
Aliphatic EPH	3.134	22.043	48599354863	355000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.134	17.200	48383528397	353000	1200	ug/ml