

Report of Analysis

Client:	PSEG	Date Collected:	02/19/25
Project:	Clifton HQ	Date Received:	02/19/25
Client Sample ID:	72-12016	SDG No.:	Q1388
Lab Sample ID:	Q1388-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/20/25 08:05	02/20/25 14:54	PB166795

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.25		1	1.97	2.18	mg/kg	FE052425.D
Aliphatic C9-C28	Aliphatic C9-C28	4.37	J	1	1.88	4.37	mg/kg	FE052425.D
Total AliphaticEPH	Total AliphaticEPH	8.62			3.85	6.55	mg/kg	
Total EPH	Total EPH	8.62			3.85	6.55	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052425.D	1	02/20/25	02/20/25	PB166795

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.37	J	1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.25		1.97	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.3		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1388-01	Acq On:	20 Feb 2025 14:54
Client Sample ID:	72-12016	Operator:	YP\AJ
Data file:	FE052425.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	3.155	6.800	1014485	6.51	300	ug/ml
Aliphatic C12-C16	6.801	10.254	1743002	10.861	200	ug/ml
Aliphatic C16-C21	10.255	13.635	2304058	14.354	300	ug/ml
Aliphatic C21-C28	13.636	17.308	4397665	28.298	400	ug/ml
Aliphatic C28-C40	17.309	22.232	7652795	58.425	600	ug/ml
Aliphatic EPH	3.155	22.232	17112005	118.448		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	6975305	37.31		ug/ml
1-chlorooctadecane (SURR)	13.367	13.367	5518900	39.71		ug/ml
Aliphatic C9-C28	3.155	17.308	9459210	60.023	1200	ug/ml