

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	PSEG Clay Street	Date Received:	04/04/25
Client Sample ID:	TT-8	SDG No.:	Q1732
Lab Sample ID:	Q1732-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:41	04/08/25 8:07	PB167476

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	156		10	13.1	22.3	mg/kg FE053229.D
Aliphatic C9-C28	Aliphatic C9-C28	23.3		1	1.01	4.44	mg/kg FE053214.D
Total AliphaticEPH	Total AliphaticEPH	179			14.1	26.7	mg/kg
Total EPH	Total EPH	179			14.1	26.7	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
FE053214.D	1	04/07/25	04/07/25	PB167476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.3		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	134	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1732-01	Acq On:	07 Apr 2025 16:21
Client Sample ID:	TT-8	Operator:	YP\AJ
Data file:	FE053214.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	3.140	6.782	3458426	22.165	300	ug/ml
Aliphatic C12-C16	6.783	10.234	3297047	21.461	200	ug/ml
Aliphatic C16-C21	10.235	13.611	8308307	57.562	300	ug/ml
Aliphatic C21-C28	13.612	17.285	28667557	213.384	400	ug/ml
Aliphatic C28-C40	17.286	22.200	225683748	1820	600	ug/ml
Aliphatic EPH	3.140	22.200	269415085	2130		ug/ml
ortho-Terphenyl (SURR)	11.896	11.896	4742496	29.12		ug/ml
1-chlorooctadecane (SURR)	13.341	13.341	3803060	31.68		ug/ml
Aliphatic C9-C28	3.140	17.285	43731337	314.572	1200	ug/ml