284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG			Date Collected:	04/03/25
Project:	PSEG Clay Street			Date Received:	04/03/25
Client Sample ID:	TT-7-EPH			SDG No.:	Q1712
Lab Sample ID:	Q1712-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.5
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/04/25 09:00	04/04/25 19:14	PB167458

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	146		10	13.8	23.4	mg/kg	FE053201.D
Aliphatic C9-C28	Aliphatic C9-C28	15.7		1	1.06	4.68	mg/kg	FE053199.D
Total AliphaticEPH	Total AliphaticEPH	162			14.9	28.1	mg/kg	
Total EPH	Total EPH	162			14.9	28.1	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
FE053199.D	1	04/04/25	04/04/25	PB167458

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		15.7		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		121	E	1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.7		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1712-06	Acq On:	04 Apr 2025 18:15
Client Sample ID:	TT-7-EPH	Operator:	YP\AJ
Data file:	FE053199.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	4236372	27.151	300	ug/ml
Aliphatic C12-C16	6.780	10.230	2190602	14.259	200	ug/ml
Aliphatic C16-C21	10.231	13.605	10371734	71.858	300	ug/ml
Aliphatic C21-C28	13.606	17.275	11926464	88.773	400	ug/ml
Aliphatic C28-C40	17.276	22.176	194187525	1560	600	ug/ml
Aliphatic EPH	3.138	22.176	222912697	1760		ug/ml
ortho-Terphenyl (SURR)	11.892	11.892	5807676	35.66		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	4555838	37.95		ug/ml
Aliphatic C9-C28	3.138	17.275	28725172	202.041	1200	ug/ml