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

Report of Analysis

Client:	PSEG		Date Collected:	04/04/25	
Project:	PSEG Clay Street		Date Received:	04/04/25	
Client Sample ID:	TT-8-EPH		SDG No.:	Q1732	
Lab Sample ID:	Q1732-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:41	04/08/25 8:38	PB167476

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	84.4		5	6.62	11.2	mg/kg	FE053230.D
Aliphatic C9-C28	Aliphatic C9-C28	12.1		1	1.02	4.49	mg/kg	FE053218.D
Total AliphaticEPH	Total AliphaticEPH	96.5			7.64	15.7	mg/kg	
Total EPH	Total EPH	96.5			7.64	15.7	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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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053218.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		12.1		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		85.0	E	1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.8		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1732-02	Acq On:	07 Apr 2025 18:22
Client Sample ID:	TT-8-EPH	Operator:	YP\AJ
Data file:	FE053218.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.782	1784739	11.438	300	ug/ml
Aliphatic C12-C16	6.783	10.234	2597224	16.906	200	ug/ml
Aliphatic C16-C21	10.235	13.611	7057691	48.897	300	ug/ml
Aliphatic C21-C28	13.612	17.285	11397013	84.832	400	ug/ml
Aliphatic C28-C40	17.286	22.200	141256523	1140	600	ug/ml
Aliphatic EPH	3.140	22.200	164093190	1300		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	5171537	31.75		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4094861	34.11		ug/ml
Aliphatic C9-C28	3.140	17.285	22836667	162.073	1200	ug/ml