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

Report of Analysis

Client:	PSEG		Date Collected:	04/02/25	
Project:	PSEG Clay Street		Date Received:	04/02/25	
Client Sample ID:	TT-2-EPH		SDG No.:	Q1695	
Lab Sample ID:	Q1695-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/03/25 10:09	04/04/25 9:04	PB167440

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	246		10	13.6	23.0	mg/kg	FE053183.D
Aliphatic C9-C28	Aliphatic C9-C28	203		10	10.4	46.0	mg/kg	FE053183.D
Total AliphaticEPH	Total AliphaticEPH	449			24.1	69.0	mg/kg	
Total EPH	Total EPH	449			24.1	69.0	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
FE053170.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	233	E	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	215	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.9		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1695-02	Acq On:	03 Apr 2025 19:26
Client Sample ID:	TT-2-EPH	Operator:	YP\AJ
Data file:	FE053170.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	4445287	28.49	300	ug/ml
Aliphatic C12-C16	6.780	10.229	13086226	85.179	200	ug/ml
Aliphatic C16-C21	10.230	13.605	113843879	788.736	300	ug/ml
Aliphatic C21-C28	13.606	17.275	288931008	2150	400	ug/ml
Aliphatic C28-C40	17.276	22.175	350162943	2820	600	ug/ml
Aliphatic EPH	3.138	22.175	770469343	5870		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	4533259	27.83		ug/ml
1-chlorooctadecane (SURR)	13.342	13.342	6233793	51.93		ug/ml
Aliphatic C9-C28	3.138	17.275	420306400	3050	1200	ug/ml