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

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Big Timber Creek Project	Date Received:	03/04/25
Client Sample ID:	TP-2-E3	SDG No.:	Q1489
Lab Sample ID:	Q1489-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 22:59	PB166980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.5		1	2.49	2.76	mg/kg	FE052646.D
Aliphatic C9-C28	Aliphatic C9-C28	6.31		1	2.38	5.52	mg/kg	FE052646.D
Total AliphaticEPH	Total AliphaticEPH	20.8			4.87	8.28	mg/kg	
Total EPH	Total EPH	20.8			4.87	8.28	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
FE052646.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.31		2.38	5.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.5		2.49	2.76	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.6		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1489-07	Acq On:	05 Mar 2025 22:59
Client Sample ID:	TP-2-E3	Operator:	YP\AJ
Data file:	FE052646.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.797	904514	5.8	300	ug/ml
Aliphatic C12-C16	6.798	10.248	866680	5.698	200	ug/ml
Aliphatic C16-C21	10.249	13.627	3332184	22.738	300	ug/ml
Aliphatic C21-C28	13.628	17.301	4889921	34.327	400	ug/ml
Aliphatic C28-C40	17.302	22.222	20154345	157.963	600	ug/ml
Aliphatic EPH	3.153	22.222	30147644	226.526		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	5326493	31.6		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	4078893	33.59		ug/ml
Aliphatic C9-C28	3.153	17.301	9993299	68.563	1200	ug/ml