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

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Big Timber Creek Project	Date Received:	01/16/25
Client Sample ID:	366	SDG No.:	Q1115
Lab Sample ID:	Q1115-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.5
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
01/17/25 10:10	01/17/25 16:54	PB166099

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.07		1	2.48	2.75	mg/kg	FE051950.D
Aliphatic C9-C28	Aliphatic C9-C28	5.52	U	1	2.37	5.52	mg/kg	FE051950.D
Total AliphaticEPH	Total AliphaticEPH	8.27	U		4.85	8.27	mg/kg	
Total EPH	Total EPH	8.27	U		4.85	8.27	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051950.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	2.37	5.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.07		2.48	2.75	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.5		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1115-01	Acq On:	17 Jan 2025 16:54
Client Sample ID:	366	Operator:	YP\AJ
Data file:	FE051950.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	990484	9.033	300	ug/ml
Aliphatic C12-C16	7.091	10.508	626837	5.171	200	ug/ml
Aliphatic C16-C21	10.509	13.863	1118570	8.526	300	ug/ml
Aliphatic C21-C28	13.864	17.513	817008	6.187	400	ug/ml
Aliphatic C28-C40	17.514	22.545	4758928	44.355	600	ug/ml
Aliphatic EPH	3.508	22.545	8311827	73.272		ug/ml
ortho-Terphenyl (SURR)	12.182	12.182	5074749	35.51		ug/ml
1-chlorooctadecane (SURR)	13.604	13.604	3960400	34.52		ug/ml
Aliphatic C9-C28	3.508	17.513	3552899	28.917	1200	ug/ml