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:	VNJ-213	SDG No.:	Q1115
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.4
Sample Wt/Vol:	30.09 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 18:24	PB166099

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.07		1	2.18	2.42	mg/kg	FE051953.D
Aliphatic C9-C28	Aliphatic C9-C28	7.37		1	2.08	4.84	mg/kg	FE051953.D
Total AliphaticEPH	Total AliphaticEPH	16.4			4.26	7.26	mg/kg	
Total EPH	Total EPH	16.4			4.26	7.26	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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Analytical Method:	NJEPH	% Solid:	82.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051953.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	7.37		2.08	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.07		2.18	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		40 - 140	76%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1115-10	Acq On:	17 Jan 2025 18:24
Client Sample ID:	VNJ-213	Operator:	YP\AJ
Data file:	FE051953.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	899547	8.204	300	ug/ml
Aliphatic C12-C16	7.091	10.508	1523566	12.569	200	ug/ml
Aliphatic C16-C21	10.509	13.863	5162173	39.349	300	ug/ml
Aliphatic C21-C28	13.864	17.513	4143934	31.379	400	ug/ml
Aliphatic C28-C40	17.514	22.545	12059506	112.399	600	ug/ml
Aliphatic EPH	3.508	22.545	23788726	203.9		ug/ml
ortho-Terphenyl (SURR)	12.185	12.185	5400796	37.79		ug/ml
1-chlorooctadecane (SURR)	13.607	13.607	4587313	39.99		ug/ml
Aliphatic C9-C28	3.508	17.513	11729220	91.501	1200	ug/ml