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

Report of Analysis

Client:	PSEG			Date Collected:	01/24/25
Project:	Metuchen Switch			Date Received:	01/24/25
Client Sample ID:	VNJ-237-E2			SDG No.:	Q1183
Lab Sample ID:	Q1183-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.3
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
01/27/25 08:21	01/27/25 17:19	PB166257

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.01	U	1	2.01	2.23	mg/kg	FE052100.D
Aliphatic C9-C28	Aliphatic C9-C28	1.92	U	1	1.92	4.47	mg/kg	FE052100.D
Total AliphaticEPH	Total AliphaticEPH	3.93	U		3.93	6.71	mg/kg	
Total EPH	Total EPH	3.93	U		3.93	6.71	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
FE052100.D	1	01/27/25	01/27/25	PB166257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.01	U	2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.9		40 - 140	58%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1183-02	Acq On:	27 Jan 2025 17:19
Client Sample ID:	VNJ-237-E2	Operator:	YP\AJ
Data file:	FE052100.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.581	7.134	436647	3.982	300	ug/ml
Aliphatic C12-C16	7.135	10.532	453019	3.737	200	ug/ml
Aliphatic C16-C21	10.533	13.875	365136	2.783	300	ug/ml
Aliphatic C21-C28	13.876	17.518	496462	3.759	400	ug/ml
Aliphatic C28-C40	17.519	22.535	1831688	17.072	600	ug/ml
Aliphatic EPH	3.581	22.535	3582952	31.334		ug/ml
ortho-Terphenyl (SURR)	12.197	12.197	4135016	28.93		ug/ml
1-chlorooctadecane (SURR)	13.611	13.611	3388016	29.53		ug/ml
Aliphatic C9-C28	3.581	17.518	1751264	14.261	1200	ug/ml