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

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Hackensack Sub HQ	Date Received:	01/31/25
Client Sample ID:	VNJ-231	SDG No.:	Q1269
Lab Sample ID:	Q1269-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/01/25 09:31	02/03/25 15:02	PB166469

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1	2.02	2.25	mg/kg	FC068181.D
Aliphatic C9-C28	Aliphatic C9-C28	16.8		1	1.93	4.49	mg/kg	FC068181.D
Total AliphaticEPH	Total AliphaticEPH	38.4			3.95	6.74	mg/kg	
Total EPH	Total EPH	38.4			3.95	6.74	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
FC068181.D	1	02/01/25	02/03/25	PB166469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.8		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.6		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1269-01	Acq On:	03 Feb 2025 15:02
Client Sample ID:	VNJ-231	Operator:	YP/AJ
Data file:	FC068181.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.127	6.392	868434	6.271	300	ug/ml
Aliphatic C12-C16	6.393	9.775	1385021	10.057	200	ug/ml
Aliphatic C16-C21	9.776	13.126	3398861	25.173	300	ug/ml
Aliphatic C21-C28	13.127	16.777	23299577	183.162	400	ug/ml
Aliphatic C28-C40	16.778	21.580	29858191	288.098	600	ug/ml
Aliphatic EPH	3.127	21.580	58810084	512.762		ug/ml
ortho-Terphenyl (SURR)	11.419	11.419	5322593	34.06		ug/ml
1-chlorooctadecane (SURR)	12.859	12.859	4158866	36.16		ug/ml
Aliphatic C9-C28	3.127	16.777	28951893	224.663	1200	ug/ml