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-E2	SDG No.:	Q1269
Lab Sample ID:	Q1269-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.01 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	02/04/25 8:43	PB166469

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.95		1	2.00	2.22	mg/kg	FF015452.D
Aliphatic C9-C28	Aliphatic C9-C28	2.20	J	1	1.91	4.44	mg/kg	FF015452.D
Total AliphaticEPH	Total AliphaticEPH	7.15			3.91	6.66	mg/kg	
Total EPH	Total EPH	7.15			3.91	6.66	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
FF015452.D	1	02/01/25	02/04/25	PB166469

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.20	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.95		2.00	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		22.9		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		20.8		40 - 140	42%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1269-02	Acq On:	04 Feb 2025 08:43
Client Sample ID:	VNJ-231-E2	Operator:	YP\AJ
Data file:	FF015452.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.217	6.836	537040	4.029	300	ug/ml
Aliphatic C12-C16	6.837	10.272	1071586	7.742	200	ug/ml
Aliphatic C16-C21	10.273	13.641	1352080	9.36	300	ug/ml
Aliphatic C21-C28	13.642	17.308	1803864	12.666	400	ug/ml
Aliphatic C28-C40	17.309	22.219	6998993	66.857	600	ug/ml
Aliphatic EPH	3.217	22.219	11763563	100.654		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	3310849	20.82		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	2848830	22.85		ug/ml
Aliphatic C9-C28	3.217	17.308	4764570	33.797	1200	ug/ml