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

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Hackensack Sub HQ	Date Received:	08/15/25
Client Sample ID:	VNJ-232-E2	SDG No.:	Q2884
Lab Sample ID:	Q2884-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.9
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
08/19/25 08:05	08/19/25 15:01	PB169296

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1	1.23	2.08	mg/kg	FE055383.D
Aliphatic C9-C28	Aliphatic C9-C28	11.0		1	0.95	4.16	mg/kg	FE055383.D
Total AliphaticEPH	Total AliphaticEPH	23.2			2.18	6.24	mg/kg	
Total EPH	Total EPH	23.2			2.18	6.24	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
FE055383.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.0		0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2884-02	Acq On:	19 Aug 2025 15:01
Client Sample ID:	VNJ-232-E2	Operator:	YP\AJ
Data file:	FE055383.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	3.317	6.951	589357	5.047	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1888706	15.082	200	ug/ml
Aliphatic C16-C21	10.403	13.781	5835057	46.162	300	ug/ml
Aliphatic C21-C28	13.782	17.453	11086855	92.003	400	ug/ml
Aliphatic C28-C40	17.454	22.471	20107208	176.399	600	ug/ml
Aliphatic EPH	3.317	22.471	39507183	334.692		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	5111165	35.79		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4199545	39.06		ug/ml
Aliphatic C9-C28	3.317	17.453	19399975	158.294	1200	ug/ml