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

Report of Analysis

Client:	PSEG	Date Collected:	12/18/24
Project:	Hackensack Sub HQ	Date Received:	12/18/24
Client Sample ID:	VNJ281-E2	SDG No.:	P5343
Lab Sample ID:	P5343-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 09:10	12/19/24 19:32	PB165749

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1	2.04	2.26	mg/kg	FC068054.D
Aliphatic C9-C28	Aliphatic C9-C28	4.46	J	1	1.95	4.52	mg/kg	FC068054.D
Total AliphaticEPH	Total AliphaticEPH	15.6			3.99	6.78	mg/kg	
Total EPH	Total EPH	15.6			3.99	6.78	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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Lab Sample ID:	P5343-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.02 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
FC068054.D	1	12/19/24	12/19/24	PB165749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.46	J	1.95	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.1		2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.7		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.4		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5343-04	Acq On:	19 Dec 2024 19:32
Client Sample ID:	VNJ281-E2	Operator:	YP/AJ
Data file:	FC068054.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.393	508243	3.211	300	ug/ml
Aliphatic C12-C16	6.394	9.782	1357517	8.47	200	ug/ml
Aliphatic C16-C21	9.783	13.140	3161079	20.747	300	ug/ml
Aliphatic C21-C28	13.141	16.794	4066890	29.819	400	ug/ml
Aliphatic C28-C40	16.795	21.609	15547061	146.719	600	ug/ml
Aliphatic EPH	3.120	21.609	24640790	208.966		ug/ml
ortho-Terphenyl (SURR)	11.429	11.429	4394610	25.41		ug/ml
1-chlorooctadecane (SURR)	12.871	12.871	3403978	26.68		ug/ml
Aliphatic C9-C28	3.120	16.794	9093729	62.247	1200	ug/ml