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

Report of Analysis

Client:	PSEG			Date Collected:	09/25/25
Project:	Hillsdale OP			Date Received:	09/25/25
Client Sample ID:	SG-1-E2			SDG No.:	Q3210
Lab Sample ID:	Q3210-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	95.2
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 16:35	PB169859

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.74		1	1.24	2.10	mg/kg	FG016685.D
Aliphatic C9-C28	Aliphatic C9-C28	0.95	U	1	0.95	4.20	mg/kg	FG016685.D
Total AliphaticEPH	Total AliphaticEPH	5.74	J		2.19	6.30	mg/kg	
Total EPH	Total EPH	5.74	J		2.19	6.30	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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Analytical Method:	NJEPH		% Solid:	95.2	
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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016685.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.74		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.7		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3210-02	Acq On:	29 Sep 2025 16:35
Client Sample ID:	SG-1-E2	Operator:	YP\AJ
Data file:	FG016685.D	Misc:	
Instrument:	FID_G	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	376344	3.258	300	ug/ml
Aliphatic C12-C16	6.923	10.380	613573	5.087	200	ug/ml
Aliphatic C16-C21	10.381	13.770	667035	5.159	300	ug/ml
Aliphatic C21-C28	13.771	17.456	747990	5.806	400	ug/ml
Aliphatic C28-C40	17.457	22.494	8333251	82.166	600	ug/ml
Aliphatic EPH	3.280	22.494	10738193	101.477		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	4806335	33.7		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	3960065	35.08		ug/ml
Aliphatic C9-C28	3.280	17.456	2404942	19.31	1200	ug/ml