

Report of Analysis

Client:	PSEG	Date Collected:	09/25/25
Project:	Hillsdale OP	Date Received:	09/25/25
Client Sample ID:	SG-1	SDG No.:	Q3210
Lab Sample ID:	Q3210-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 13:08	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1	1.25	2.12	mg/kg FG016679.D
Aliphatic C9-C28	Aliphatic C9-C28	12.1		1	0.97	4.24	mg/kg FG016679.D
Total AliphaticEPH	Total AliphaticEPH	20.8			2.22	6.36	mg/kg
Total EPH	Total EPH	20.8			2.22	6.36	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016679.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	12.1		0.97	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	67.1		40 - 140	134%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	64.3		40 - 140	129%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3210-01	Acq On:	29 Sep 2025 13:08
Client Sample ID:	SG-1	Operator:	YP\AJ
Data file:	FG016679.D	Misc:	
Instrument:	FID_G	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	673576	5.832	300	ug/ml
Aliphatic C12-C16	6.923	10.380	942725	7.816	200	ug/ml
Aliphatic C16-C21	10.381	13.770	18173895	140.568	300	ug/ml
Aliphatic C21-C28	13.771	17.456	2205700	17.12	400	ug/ml
Aliphatic C28-C40	17.457	22.494	12390833	122.175	600	ug/ml
Aliphatic EPH	3.280	22.494	34386729	293.51		ug/ml
ortho-Terphenyl (SURR)	12.062	12.062	9176948	64.34		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	7576059	67.12		ug/ml
Aliphatic C9-C28	3.280	17.456	21995896	171.336	1200	ug/ml