

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Hillsdale OP	Date Received:	
Client Sample ID:	SG-1MS	SDG No.:	Q3210
Lab Sample ID:	Q3210-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.09	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	09/26/25 17:54	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	120			2.21	6.36	mg/kg
Total EPH	Total EPH	120			2.21	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

Report of Analysis

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Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016681.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	91.8	E	0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.1		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.5		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.2		40 - 140	102%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3210-01MS	Acq On:	29 Sep 2025 14:07
Client Sample ID:	Q3210-01MS	Operator:	YP\AJ
Data file:	FG016681.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	25381818	219.749	300	ug/ml
Aliphatic C12-C16	6.923	10.380	36957065	306.411	200	ug/ml
Aliphatic C16-C21	10.381	13.770	58266034	450.664	300	ug/ml
Aliphatic C21-C28	13.771	17.456	41843667	324.773	400	ug/ml
Aliphatic C28-C40	17.457	22.494	40378545	398.136	600	ug/ml
Aliphatic EPH	3.280	22.494	202827129	1700		ug/ml
ortho-Terphenyl (SURR)	12.062	12.062	7300081	51.18		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	6044012	53.55		ug/ml
Aliphatic C9-C28	3.280	17.456	162448584	1300	1200	ug/ml