

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Hillsdale OP	Date Received:	
Client Sample ID:	SG-1MSD	SDG No.:	Q3210
Lab Sample ID:	Q3210-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 14:37	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	114			2.22	6.36	mg/kg
Total EPH	Total EPH	114			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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Hillsdale OP	Date Received:	
Client Sample ID:	SG-1MSD	SDG No.:	Q3210
Lab Sample ID:	Q3210-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.01 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
FG016682.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	80.3		0.97	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.5		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.1		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3210-01MSD	Acq On:	29 Sep 2025 14:37
Client Sample ID:	Q3210-01MSD	Operator:	YP\AJ
Data file:	FG016682.D	Misc:	
Instrument:	FID_G	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.922	20999206	181.805	300	ug/ml
Aliphatic C12-C16	6.923	10.380	31562154	261.682	200	ug/ml
Aliphatic C16-C21	10.381	13.770	43536530	336.737	300	ug/ml
Aliphatic C21-C28	13.771	17.456	45765840	355.215	400	ug/ml
Aliphatic C28-C40	17.457	22.494	48047863	473.756	600	ug/ml
Aliphatic EPH	3.280	22.494	189911593	1610		ug/ml
ortho-Terphenyl (SURR)	12.059	12.059	6143163	43.07		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	5092635	45.12		ug/ml
Aliphatic C9-C28	3.280	17.456	141863730	1140	1200	ug/ml