

Report of Analysis

Client:	PSEG	Date Collected:	11/13/24
Project:	Hillsdale OP	Date Received:	11/13/24
Client Sample ID:	T3-STONE	SDG No.:	P4836
Lab Sample ID:	P4836-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/14/24 09:40	11/15/24 8:46	PB164966

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	77.8		5	8.98	9.97	mg/kg	FE051253.D
Aliphatic C9-C28	Aliphatic C9-C28	1310		50	85.8	200	mg/kg	FE051254.D
Total AliphaticEPH	Total AliphaticEPH	1380			94.8	209	mg/kg	
Total EPH	Total EPH	1380			94.8	209	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:	11/13/24
Project:	Hillsdale OP	Date Received:	11/13/24
Client Sample ID:	T3-STONE	SDG No.:	P4836
Lab Sample ID:	P4836-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051241.D	1	11/14/24	11/14/24	PB164966

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1260	E	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	79.9	E	1.80	1.99	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.1		40 - 140	92%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4836-03	Acq On:	14 Nov 2024 18:17
Client Sample ID:	T3-STONE	Operator:	YP\AJ
Data file:	FE051241.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.753	680941	4.867	300	ug/ml
Aliphatic C12-C16	6.754	10.184	127773565	908.544	200	ug/ml
Aliphatic C16-C21	10.185	13.542	1340593675	9730	300	ug/ml
Aliphatic C21-C28	13.543	17.196	1111005342	8290	400	ug/ml
Aliphatic C28-C40	17.197	22.038	154619646	1200	600	ug/ml
Aliphatic EPH	3.135	22.038	2734673169	20100		ug/ml
ortho-Terphenyl (SURR)	11.863	11.863	6922811	46.12		ug/ml
1-chlorooctadecane (SURR)	13.304	13.304	4485111	39.51		ug/ml
Aliphatic C9-C28	3.135	17.196	2580053523	18900	1200	ug/ml