

Report of Analysis

Client:	PSEG	Date Collected:	11/25/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/25/24
Client Sample ID:	MH-733	SDG No.:	P5000
Lab Sample ID:	P5000-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/26/24 08:55	11/26/24 17:17	PB165256

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.6		1	2.06	2.29	mg/kg FE051471.D
Aliphatic C9-C28	Aliphatic C9-C28	411		10	19.6	45.6	mg/kg FE051478.D
Total AliphaticEPH	Total AliphaticEPH	423			21.7	47.9	mg/kg
Total EPH	Total EPH	423			21.7	47.9	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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Client Sample ID:	MH-733	SDG No.:	P5000
Lab Sample ID:	P5000-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03 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
FE051471.D	1	11/26/24	11/26/24	PB165256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	412	E	1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.6		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5000-05	Acq On:	26 Nov 2024 17:17
Client Sample ID:	MH-733	Operator:	YP\AJ
Data file:	FE051471.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.126	6.741	15155421	108.319	300	ug/ml
Aliphatic C12-C16	6.742	10.174	176737733	1260	200	ug/ml
Aliphatic C16-C21	10.175	13.534	338260891	2460	300	ug/ml
Aliphatic C21-C28	13.535	17.190	214059848	1600	400	ug/ml
Aliphatic C28-C40	17.191	22.028	19637755	152.528	600	ug/ml
Aliphatic EPH	3.126	22.028	763851648	5570		ug/ml
ortho-Terphenyl (SURR)	11.838	11.838	5375201	35.81		ug/ml
1-chlorooctadecane (SURR)	13.272	13.272	4342593	38.25		ug/ml
Aliphatic C9-C28	3.126	17.190	744213893	5420	1200	ug/ml