

Report of Analysis

Client:	PSEG	Date Collected:	11/20/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/20/24
Client Sample ID:	MH-732	SDG No.:	P4938
Lab Sample ID:	P4938-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/21/24 09:10	11/21/24 15:49	PB165156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.19		1	2.05	2.27	mg/kg FE051390.D
Aliphatic C9-C28	Aliphatic C9-C28	14.4		1	1.96	4.56	mg/kg FE051390.D
Total AliphaticEPH	Total AliphaticEPH	20.6			4.01	6.83	mg/kg
Total EPH	Total EPH	20.6			4.01	6.83	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051390.D	1	11/21/24	11/21/24	PB165156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.4		1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.19		2.05	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4938-01	Acq On:	21 Nov 2024 15:49
Client Sample ID:	MH-732	Operator:	YP\AJ
Data file:	FE051390.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.746	19354730	138.332	300	ug/ml
Aliphatic C12-C16	6.747	10.179	6006552	42.71	200	ug/ml
Aliphatic C16-C21	10.180	13.540	1213573	8.809	300	ug/ml
Aliphatic C21-C28	13.541	17.195	1066220	7.96	400	ug/ml
Aliphatic C28-C40	17.196	22.038	10506977	81.609	600	ug/ml
Aliphatic EPH	3.133	22.038	38148052	279.42		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	3748646	24.98		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	3150562	27.75		ug/ml
Aliphatic C9-C28	3.133	17.195	27641075	197.811	1200	ug/ml