

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-EPH	SDG No.:	P4938
Lab Sample ID:	P4938-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/21/24 09:10	11/21/24 16:19	PB165156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.33		1	2.03	2.26	mg/kg FE051391.D
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1	1.94	4.51	mg/kg FE051391.D
Total AliphaticEPH	Total AliphaticEPH	24.8			3.97	6.77	mg/kg
Total EPH	Total EPH	24.8			3.97	6.77	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051391.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	19.4		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.33		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4938-02	Acq On:	21 Nov 2024 16:19
Client Sample ID:	MH-732-EPH	Operator:	YP\AJ
Data file:	FE051391.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.746	26182809	187.134	300	ug/ml
Aliphatic C12-C16	6.747	10.179	8476238	60.271	200	ug/ml
Aliphatic C16-C21	10.180	13.540	1486199	10.788	300	ug/ml
Aliphatic C21-C28	13.541	17.195	1342103	10.019	400	ug/ml
Aliphatic C28-C40	17.196	22.038	9131824	70.928	600	ug/ml
Aliphatic EPH	3.133	22.038	46619173	339.14		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4228426	28.17		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	3624931	31.93		ug/ml
Aliphatic C9-C28	3.133	17.195	37487349	268.212	1200	ug/ml