

Report of Analysis

Client:	PSEG	Date Collected:	12/03/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/03/24
Client Sample ID:	MH-737	SDG No.:	P5072
Lab Sample ID:	P5072-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/04/24 08:18	12/04/24 14:40	PB165355

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.89		1	1.96	2.17	mg/kg FE051529.D
Aliphatic C9-C28	Aliphatic C9-C28	249		5	9.35	21.8	mg/kg FE051542.D
Total AliphaticEPH	Total AliphaticEPH	255			11.3	23.9	mg/kg
Total EPH	Total EPH	255			11.3	23.9	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051529.D	1	12/04/24	12/04/24	PB165355

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	214	E	1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.89		1.96	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.0		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5072-01	Acq On:	04 Dec 2024 14:40
Client Sample ID:	MH-737	Operator:	YP\AJ
Data file:	FE051529.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.122	6.735	40184363	284.122	300	ug/ml
Aliphatic C12-C16	6.736	10.167	212918495	1510	200	ug/ml
Aliphatic C16-C21	10.168	13.525	148859207	1070	300	ug/ml
Aliphatic C21-C28	13.526	17.179	12148985	92.881	400	ug/ml
Aliphatic C28-C40	17.180	22.010	10185239	95.101	600	ug/ml
Aliphatic EPH	3.122	22.010	424296289	3060		ug/ml
ortho-Terphenyl (SURR)	11.831	11.831	5133813	33.97		ug/ml
1-chlorooctadecane (SURR)	13.262	13.262	4093394	36.63		ug/ml
Aliphatic C9-C28	3.122	17.179	414111050	2960	1200	ug/ml