

Report of Analysis

Client:	PSEG	Date Collected:	12/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/09/24
Client Sample ID:	MH-743	SDG No.:	P5216
Lab Sample ID:	P5216-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/10/24 09:15	12/10/24 14:36	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.22		1	1.99	2.21	mg/kg	FE051608.D
Aliphatic C9-C28	Aliphatic C9-C28	2.89	J	1	1.90	4.44	mg/kg	FE051608.D
Total AliphaticEPH	Total AliphaticEPH	12.1			3.89	6.65	mg/kg	
Total EPH	Total EPH	12.1			3.89	6.65	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
FE051608.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.89	J	1.90	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.22		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-05	Acq On:	10 Dec 2024 14:36
Client Sample ID:	MH-743	Operator:	YP\AJ
Data file:	FE051608.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	224682	1.589	300	ug/ml
Aliphatic C12-C16	6.736	10.168	990236	7.036	200	ug/ml
Aliphatic C16-C21	10.169	13.527	1774881	12.76	300	ug/ml
Aliphatic C21-C28	13.528	17.184	2526881	19.318	400	ug/ml
Aliphatic C28-C40	17.185	22.021	13378989	124.921	600	ug/ml
Aliphatic EPH	3.119	22.021	18895669	165.624		ug/ml
ortho-Terphenyl (SURR)	11.830	11.830	6614372	43.77		ug/ml
1-chlorooctadecane (SURR)	13.263	13.263	5596421	50.08		ug/ml
Aliphatic C9-C28	3.119	17.184	5516680	40.703	1200	ug/ml