

Report of Analysis

Client:	PSEG	Date Collected:	11/23/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/25/24
Client Sample ID:	MH-740-WC	SDG No.:	P4985
Lab Sample ID:	P4985-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/25/24 11:40	11/25/24 21:48	PB165243

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.2		1	2.01	2.23	mg/kg	FE051447.D
Aliphatic C9-C28	Aliphatic C9-C28	4.11	J	1	1.92	4.47	mg/kg	FE051447.D
Total AliphaticEPH	Total AliphaticEPH	19.3			3.93	6.70	mg/kg	
Total EPH	Total EPH	19.3			3.93	6.70	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
FE051447.D	1	11/25/24	11/25/24	PB165243

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.11	J	1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.2		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4985-05	Acq On:	25 Nov 2024 21:48
Client Sample ID:	MH-740-WC	Operator:	YP\AJ
Data file:	FE051447.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.744	839937	6.003	300	ug/ml
Aliphatic C12-C16	6.745	10.176	635417	4.518	200	ug/ml
Aliphatic C16-C21	10.177	13.535	6160278	44.715	300	ug/ml
Aliphatic C21-C28	13.536	17.190	1284190	9.587	400	ug/ml
Aliphatic C28-C40	17.191	22.028	26379951	204.895	600	ug/ml
Aliphatic EPH	3.129	22.028	35299773	269.719		ug/ml
ortho-Terphenyl (SURR)	11.839	11.839	5148666	34.3		ug/ml
1-chlorooctadecane (SURR)	13.272	13.272	4216070	37.14		ug/ml
Aliphatic C9-C28	3.129	17.190	8919822	64.823	1200	ug/ml