

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	PSEG Bergen Point - Fairmount 69kV	Date Received:	10/25/24
Client Sample ID:	WC-2-EPH	SDG No.:	P4567
Lab Sample ID:	P4567-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
10/26/24 09:00	10/28/24 15:04	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	16.3		1	1.99	2.21	mg/kg FG014533.D
Aliphatic C9-C28	Aliphatic C9-C28	5.47		1	1.90	4.43	mg/kg FG014533.D
Total AliphaticEPH	Total AliphaticEPH	21.8			3.89	6.64	mg/kg
Total EPH	Total EPH	21.8			3.89	6.64	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
FG014533.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.47		1.90	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.3		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.0		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4567-06	Acq On:	28 Oct 2024 15:04
Client Sample ID:	WC-2-EPH	Operator:	YP\AJ
Data file:	FG014533.D	Misc:	
Instrument:	FID_G	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	3192777	24.309	300	ug/ml
Aliphatic C12-C16	6.864	10.305	805243	5.929	200	ug/ml
Aliphatic C16-C21	10.306	13.674	1746901	12.367	300	ug/ml
Aliphatic C21-C28	13.675	17.337	4446435	31.629	400	ug/ml
Aliphatic C28-C40	17.338	22.267	23311419	220.57	600	ug/ml
Aliphatic EPH	3.242	22.267	33502775	294.804		ug/ml
ortho-Terphenyl (SURR)	11.973	11.973	5219199	34.05		ug/ml
1-chlorooctadecane (SURR)	13.411	13.411	4210793	34.29		ug/ml
Aliphatic C9-C28	3.242	17.337	10191356	74.234	1200	ug/ml