

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-1	SDG No.:	P4567
Lab Sample ID:	P4567-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.08	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 14:23	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1	1.97	2.19	mg/kg	FE050859.D
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1	1.89	4.39	mg/kg	FE050859.D
Total AliphaticEPH	Total AliphaticEPH	13.2			3.86	6.58	mg/kg	
Total EPH	Total EPH	13.2			3.86	6.58	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
FE050859.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	3.50	J	1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4567-01	Acq On:	28 Oct 2024 14:23
Client Sample ID:	WC-1	Operator:	YP\AJ
Data file:	FE050859.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	3.147	6.765	2295237	16.062	300	ug/ml
Aliphatic C12-C16	6.766	10.198	922495	6.357	200	ug/ml
Aliphatic C16-C21	10.199	13.558	1212136	8.394	300	ug/ml
Aliphatic C21-C28	13.559	17.213	2435891	17.135	400	ug/ml
Aliphatic C28-C40	17.214	22.064	18361456	132.762	600	ug/ml
Aliphatic EPH	3.147	22.064	25227215	180.711		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4778360	30.31		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3799344	32.12		ug/ml
Aliphatic C9-C28	3.147	17.213	6865759	47.948	1200	ug/ml