

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-EPH	SDG No.:	P4567
Lab Sample ID:	P4567-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
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
10/26/24 09:00	10/28/24 13:56	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.25		1	1.98	2.20	mg/kg FG014531.D
Aliphatic C9-C28	Aliphatic C9-C28	5.01		1	1.89	4.40	mg/kg FG014531.D
Total AliphaticEPH	Total AliphaticEPH	7.26			3.87	6.60	mg/kg
Total EPH	Total EPH	7.26			3.87	6.60	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
FG014531.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	5.01		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.25		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4567-02	Acq On:	28 Oct 2024 13:56
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FG014531.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	4852828	36.948	300	ug/ml
Aliphatic C12-C16	6.864	10.305	537488	3.957	200	ug/ml
Aliphatic C16-C21	10.306	13.674	1141686	8.083	300	ug/ml
Aliphatic C21-C28	13.675	17.337	2727322	19.4	400	ug/ml
Aliphatic C28-C40	17.338	22.267	3240231	30.659	600	ug/ml
Aliphatic EPH	3.242	22.267	12499555	99.047		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	5252679	34.27		ug/ml
1-chlorooctadecane (SURR)	13.408	13.408	4267541	34.75		ug/ml
Aliphatic C9-C28	3.242	17.337	9259324	68.388	1200	ug/ml