

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	SDG No.:	P4567
Lab Sample ID:	P4567-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.09	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 14:25	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	38.1		1	1.95	2.17	mg/kg FG014532.D
Aliphatic C9-C28	Aliphatic C9-C28	30.4		1	1.87	4.35	mg/kg FG014532.D
Total AliphaticEPH	Total AliphaticEPH	68.5			3.82	6.52	mg/kg
Total EPH	Total EPH	68.5			3.82	6.52	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014532.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	30.4		1.87	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.1		1.95	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.8		40 - 140	92%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4567-05	Acq On:	28 Oct 2024 14:25
Client Sample ID:	WC-2	Operator:	YP\AJ
Data file:	FG014532.D	Misc:	
Instrument:	FID_G	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	6029753	45.909	300	ug/ml
Aliphatic C12-C16	6.864	10.305	19724542	145.224	200	ug/ml
Aliphatic C16-C21	10.306	13.674	22604177	160.029	300	ug/ml
Aliphatic C21-C28	13.675	17.337	9583651	68.172	400	ug/ml
Aliphatic C28-C40	17.338	22.267	55628142	526.348	600	ug/ml
Aliphatic EPH	3.242	22.267	113570265	945.681		ug/ml
ortho-Terphenyl (SURR)	11.974	11.974	7015550	45.77		ug/ml
1-chlorooctadecane (SURR)	13.410	13.410	5563292	45.31		ug/ml
Aliphatic C9-C28	3.242	17.337	57942123	419.334	1200	ug/ml