

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-3-EPH	SDG No.:	P4567
Lab Sample ID:	P4567-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/26/24 09:00	10/28/24 16:01	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.91		1	1.98	2.20	mg/kg	FG014535.D
Aliphatic C9-C28	Aliphatic C9-C28	2.74	J	1	1.89	4.40	mg/kg	FG014535.D
Total AliphaticEPH	Total AliphaticEPH	9.65			3.87	6.60	mg/kg	
Total EPH	Total EPH	9.65			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014535.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	2.74	J	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.91		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.2		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4567-10	Acq On:	28 Oct 2024 16:01
Client Sample ID:	WC-3-EPH	Operator:	YP\AJ
Data file:	FG014535.D	Misc:	
Instrument:	FID_G	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	3348191	25.492	300	ug/ml
Aliphatic C12-C16	6.864	10.305	559364	4.118	200	ug/ml
Aliphatic C16-C21	10.306	13.674	1090126	7.718	300	ug/ml
Aliphatic C21-C28	13.675	17.337	1592387	11.327	400	ug/ml
Aliphatic C28-C40	17.338	22.267	9959867	94.239	600	ug/ml
Aliphatic EPH	3.242	22.267	16549935	142.895		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	5089674	33.21		ug/ml
1-chlorooctadecane (SURR)	13.409	13.409	4086582	33.28		ug/ml
Aliphatic C9-C28	3.242	17.337	6590068	48.655	1200	ug/ml