

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	TP-17MSD	SDG No.:	Q2571
Lab Sample ID:	Q2571-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/11/25 09:20	07/11/25 19:43	PB168812

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	48.6	E	1	1.34	2.27	mg/kg	FC069427.D
Aliphatic C9-C28	Aliphatic C9-C28	83.3		1	1.03	4.53	mg/kg	FC069427.D
Total AliphaticEPH	Total AliphaticEPH	132			2.37	6.80	mg/kg	
Total EPH	Total EPH	132			2.37	6.80	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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Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	TP-17MSD	SDG No.:	Q2571
Lab Sample ID:	Q2571-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069427.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	83.3		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.6	E	1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2571-05MSD	Acq On:	11 Jul 2025 19:43
Client Sample ID:	Q2571-05MSD	Operator:	YP/AJ
Data file:	FC069427.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.600	23333729	159.08	300	ug/ml
Aliphatic C12-C16	6.601	10.004	36489251	229.189	200	ug/ml
Aliphatic C16-C21	10.005	13.373	44977037	291.237	300	ug/ml
Aliphatic C21-C28	13.374	17.038	56638059	422.778	400	ug/ml
Aliphatic C28-C40	17.039	22.012	59140696	641.965	600	ug/ml
Aliphatic EPH	3.303	22.012	220578772	1740		ug/ml
ortho-Terphenyl (SURR)	11.672	11.672	4532204	26.23		ug/ml
1-chlorooctadecane (SURR)	13.108	13.108	3652449	27.96		ug/ml
Aliphatic C9-C28	3.303	17.038	161438076	1100	1200	ug/ml