

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	South Waterfront Switch	Date Received:	11/21/24
Client Sample ID:	CONTAINMENT-STONE-E2	SDG No.:	P4949
Lab Sample ID:	P4949-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/22/24 09:25	11/25/24 11:45	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.4		2	3.60	3.99	mg/kg	FE051430.D
Aliphatic C9-C28	Aliphatic C9-C28	4560		100	172	399	mg/kg	FE051431.D
Total AliphaticEPH	Total AliphaticEPH	4620			175	403	mg/kg	
Total EPH	Total EPH	4620			175	403	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

Report of Analysis

Client:	Date Collected:
Project:	Date Received:
Client Sample ID:	SDG No.:
Lab Sample ID:	Matrix:
Analytical Method: NJEPH	
Sample Wt/Vol: Units:	Final Vol:
Soil Aliquot Vol: uL	Test:
Prep Method :	

Prep Date :

Date Analyzed :

Prep Batch ID

Datafile

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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051420.D	1	11/22/24	11/22/24	PB165186

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4110	E	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	59.3	E	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4949-04	Acq On:	22 Nov 2024 21:11
Client Sample ID:	CONTAINMENT-STONE-	Operator:	YP\AJ
Data file:	FE051420.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	1126420	8.051	300	ug/ml
Aliphatic C12-C16	6.745	10.177	812294825	5780	200	ug/ml
Aliphatic C16-C21	10.178	13.537	5470024448	39700	300	ug/ml
Aliphatic C21-C28	13.538	17.193	2171587052	16200	400	ug/ml
Aliphatic C28-C40	17.194	22.037	114639840	890.417	600	ug/ml
Aliphatic EPH	3.130	22.037	8569672585	62600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.130	17.193	8455032745	61700	1200	ug/ml