

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	South Waterfront Switch	Date Received:	11/21/24
Client Sample ID:	CONTAINMENT-STONE	SDG No.:	P4949
Lab Sample ID:	P4949-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/22/24 09:25	11/25/24 10:44	PB165186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	79.8		5	9.00	10.0	mg/kg FE051428.D
Aliphatic C9-C28	Aliphatic C9-C28	1620		50	86.0	200	mg/kg FE051429.D
Total AliphaticEPH	Total AliphaticEPH	1700			95.0	210	mg/kg
Total EPH	Total EPH	1700			95.0	210	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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Sample Wt/Vol:	30.01 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
FE051419.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	1620	E	1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.1	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:	P4949-03	Acq On:	22 Nov 2024 20:40
Client Sample ID:	CONTAINMENT-STONE	Operator:	YP\AJ
Data file:	FE051419.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.130	6.744	2598483	18.572	300	ug/ml
Aliphatic C12-C16	6.745	10.177	194402189	1380	200	ug/ml
Aliphatic C16-C21	10.178	13.537	2125503871	15400	300	ug/ml
Aliphatic C21-C28	13.538	17.193	1010578760	7540	400	ug/ml
Aliphatic C28-C40	17.194	22.037	135445196	1050	600	ug/ml
Aliphatic EPH	3.130	22.037	3468528499	25400		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	3333083303	24400	1200	ug/ml