

Report of Analysis

Client:	PSEG	Date Collected:	11/19/24
Project:	Moorestown	Date Received:	11/19/24
Client Sample ID:	ARS520	SDG No.:	P4929
Lab Sample ID:	P4929-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/20/24 10:10	11/21/24 10:09	PB165131

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	633		20	40.5	44.9	mg/kg FE051381.D
Aliphatic C9-C28	Aliphatic C9-C28	16200		200	386	896	mg/kg FE051382.D
Total AliphaticEPH	Total AliphaticEPH	16900			426	941	mg/kg
Total EPH	Total EPH	16900			426	941	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051371.D	1	11/20/24	11/20/24	PB165131

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11900	E	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	600	E	2.02	2.25	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:	P4929-01	Acq On:	20 Nov 2024 19:27
Client Sample ID:	ARS520	Operator:	YP\AJ
Data file:	FE051371.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.748	35821216	256.022	300	ug/ml
Aliphatic C12-C16	6.749	10.181	2868691437	20400	200	ug/ml
Aliphatic C16-C21	10.182	13.541	12376900358	89800	300	ug/ml
Aliphatic C21-C28	13.542	17.196	6465566823	48300	400	ug/ml
Aliphatic C28-C40	17.197	22.039	1032426857	8020	600	ug/ml
Aliphatic EPH	3.133	22.039	22779406691	167000		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	3.133	17.196	21746979834	159000	1200	ug/ml