

Report of Analysis

Client:	PSEG	Date Collected:	10/18/24
Project:	Moorestown	Date Received:	10/18/24
Client Sample ID:	PAD-10182024	SDG No.:	P4456
Lab Sample ID:	P4456-01	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

Prep Date :	Date Analyzed :	Prep Batch ID
10/22/24 09:40	10/23/24 3:05	PB164309

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	1	0.38	1.00	mg/kg	FC067488.D
Aliphatic C12-C16	Aliphatic C12-C16	1.54		1	0.24	0.67	mg/kg	FC067488.D
Aliphatic C16-C21	Aliphatic C16-C21	500		50	15.0	49.9	mg/kg	FC067500.D
Aliphatic C21-C28	Aliphatic C21-C28	339		50	39.9	66.6	mg/kg	FC067500.D
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1	1.80	2.00	mg/kg	FC067488.D
Aromatic C10-C12	Aromatic C10-C12	0.67	U	1	0.30	0.67	mg/kg	FD048551.D
Aromatic C12-C16	Aromatic C12-C16	2.03		1	0.34	1.00	mg/kg	FD048551.D
Aromatic C16-C21	Aromatic C16-C21	99.0		5	4.79	8.32	mg/kg	FD048563.D
Aromatic C21-C36	Aromatic C21-C36	136		5	9.99	13.3	mg/kg	FD048563.D
Total AliphaticEPH	Total AliphaticEPH	852			57.3	120	mg/kg	
Total AromaticEPH	Total AromaticEPH	237			15.4	23.3	mg/kg	
Total EPH	Total EPH	1090			72.7	143	mg/kg	

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

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067488.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.54		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	462	E	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	295	E	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4456-01	Acq On:	23 Oct 2024 03:05
Client Sample ID:	PAD-10182024	Operator:	YP/AJ
Data file:	FC067488.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	535631	4.173	300	ug/ml
Aliphatic C12-C16	6.456	9.845	3036794	23.189	200	ug/ml
Aliphatic C16-C21	9.846	13.203	913000634	6940	300	ug/ml
Aliphatic C21-C28	13.204	16.857	562959097	4440	400	ug/ml
Aliphatic C28-C40	16.858	21.701	17462795	165.971	600	ug/ml
Aliphatic EPH	3.175	21.701	1496994951	11600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.956	12.956	4522516	39.95		ug/ml
Aliphatic C9-C28	3.175	16.857	1479532156	11400	1200	ug/ml