284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG			Date Collected:	12/13/24
Project:	Metuchen Switch			Date Received:	12/13/24
Client Sample ID:	STONES-A			SDG No.:	P5287
Lab Sample ID:	P5287-01			Matrix:	Solid
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 :					

Prep Date :	Date Analyzed :	Prep Batch ID
12/17/24 08:20	12/17/24 14:36	PB165681

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.2		1	1.80	2.00	mg/kg	FC068015.D
Aliphatic C9-C28	Aliphatic C9-C28	1200		50	85.9	200	mg/kg	FC068028.D
Total AliphaticEPH	Total AliphaticEPH	1230			87.7	202	mg/kg	
Total EPH	Total EPH	1230			87.7	202	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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Lab Sample ID:	P5287-01		Matrix:	Solid	
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
FC068015.D	1	12/17/24	12/17/24	PB165681

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1130	E	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		35.2		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

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5287-01	Acq On:	17 Dec 2024 14:36
Client Sample ID:	STONES-A	Operator:	YP/AJ
Data file:	FC068015.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	3.148	6.425	3874033	24.472	300	ug/ml
Aliphatic C12-C16	6.426	9.816	6300873	39.313	200	ug/ml
Aliphatic C16-C21	9.817	13.174	1100841075	7230	300	ug/ml
Aliphatic C21-C28	13.175	16.828	1326964436	9730	400	ug/ml
Aliphatic C28-C40	16.829	21.659	56057123	529.017	600	ug/ml
Aliphatic EPH	3.148	21.659	2494037540	17500		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	3.148	16.828	2437980417	17000	1200	ug/ml