



A

B

C

SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 20:16	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.06	mg/kg	FC067742.D
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.25	0.71	mg/kg	FC067742.D
Aliphatic C16-C21	Aliphatic C16-C21	0.32	U	1	0.32	1.06	mg/kg	FC067742.D
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	1	0.85	1.41	mg/kg	FC067742.D
Aliphatic C28-C40	Aliphatic C28-C40	9.55		1	1.91	2.12	mg/kg	FC067742.D
Aromatic C10-C12	Aromatic C10-C12	0.34	J	1	0.32	0.71	mg/kg	FD048723.D
Aromatic C12-C16	Aromatic C12-C16	0.44	J	1	0.36	1.06	mg/kg	FD048723.D
Aromatic C16-C21	Aromatic C16-C21	1.54	J	1	1.02	1.77	mg/kg	FD048723.D
Aromatic C21-C36	Aromatic C21-C36	6.53		1	2.12	2.83	mg/kg	FD048723.D
Total AliphaticEPH	Total AliphaticEPH	9.89			3.73	6.36	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.85			3.82	6.37	mg/kg	
Total EPH	Total EPH	18.7			7.55	12.7	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067742.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.32	U	0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.55		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-01	Acq On:	13 Nov 2024 20:16
Client Sample ID:	SOIL-1	Operator:	YP/AJ
Data file:	FC067742.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.169	6.447	325097	2.4	300	ug/ml
Aliphatic C12-C16	6.448	9.836	625999	4.754	200	ug/ml
Aliphatic C16-C21	9.837	13.192	461136	3.624	300	ug/ml
Aliphatic C21-C28	13.193	16.845	841253	7.005	400	ug/ml
Aliphatic C28-C40	16.846	21.681	13669430	135.216	600	ug/ml
Aliphatic EPH	3.169	21.681	15922915	152.999		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.926	12.926	3994370	36.99		ug/ml
Aliphatic C9-C28	3.169	16.845	2253485	17.783	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048723.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	J	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.44	J	0.36	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.54	J	1.02	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6.53		2.12	2.83	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.5		40 - 140	93%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.1		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-01	Acq On:	13 Nov 2024 20:16
Client Sample ID:	SOIL-1	Operator:	YP/AJ
Data file:	FD048723.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.089	5.807	843321	4.786	200	ug/ml
Aromatic C12-C16	5.808	8.412	1099404	6.202	300	ug/ml
Aromatic C16-C21	8.413	12.673	3575104	21.822	500	ug/ml
Aromatic C21-C36	12.674	18.078	14116809	92.44	800	ug/ml
Aromatic EPH	4.089	18.078	19634638	125.25		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	7057358	46.5		ug/ml
2-Fluorobiphenyl (SURR)	8.217	8.217	4628849	47.14		ug/ml
ortho-Terphenyl (SURR)	11.252	11.252	5612416	32.95		ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 20:52	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.09	mg/kg	FC067743.D
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	1	0.26	0.73	mg/kg	FC067743.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.33	1.09	mg/kg	FC067743.D
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	1	0.87	1.45	mg/kg	FC067743.D
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	1.96	2.18	mg/kg	FC067743.D
Aromatic C10-C12	Aromatic C10-C12	0.45	J	1	0.33	0.73	mg/kg	FD048724.D
Aromatic C12-C16	Aromatic C12-C16	4.11		1	0.37	1.09	mg/kg	FD048724.D
Aromatic C16-C21	Aromatic C16-C21	2.40		1	1.04	1.81	mg/kg	FD048724.D
Aromatic C21-C36	Aromatic C21-C36	3.54		1	2.18	2.90	mg/kg	FD048724.D
Total AliphaticEPH	Total AliphaticEPH	12.2			3.83	6.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.5			3.92	6.53	mg/kg	
Total EPH	Total EPH	22.7			7.75	13.1	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067743.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	0.41	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	0.87	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.9		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-03	Acq On:	13 Nov 2024 20:52
Client Sample ID:	SOIL-2	Operator:	YP/AJ
Data file:	FC067743.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.169	6.447	394175	2.91	300	ug/ml
Aliphatic C12-C16	6.448	9.836	670276	5.09	200	ug/ml
Aliphatic C16-C21	9.837	13.192	597908	4.699	300	ug/ml
Aliphatic C21-C28	13.193	16.845	902161	7.512	400	ug/ml
Aliphatic C28-C40	16.846	21.681	15993949	158.21	600	ug/ml
Aliphatic EPH	3.169	21.681	18558469	178.421		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.927	12.927	5060163	46.86		ug/ml
Aliphatic C9-C28	3.169	16.845	2564520	20.211	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048724.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.45	J	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.11		0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.40		1.04	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.54		2.18	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.7		40 - 140	111%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	56.2		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-03	Acq On:	13 Nov 2024 20:52
Client Sample ID:	SOIL-2	Operator:	YP/AJ
Data file:	FD048724.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.089	5.807	1080905	6.134	200	ug/ml
Aromatic C12-C16	5.808	8.412	10044459	56.661	300	ug/ml
Aromatic C16-C21	8.413	12.673	5430237	33.145	500	ug/ml
Aromatic C21-C36	12.674	18.078	7443564	48.742	800	ug/ml
Aromatic EPH	4.089	18.078	23999165	144.682		ug/ml
2-Bromonaphthalene (SURRE)	7.368	7.368	8457342	55.72		ug/ml
2-Fluorobiphenyl (SURRE)	8.218	8.218	5519312	56.21		ug/ml
ortho-Terphenyl (SURRE)	11.253	11.253	6678235	39.21		ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 1:44	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.08	mg/kg	FE051218.D
Aliphatic C12-C16	Aliphatic C12-C16	0.56	J	1	0.26	0.72	mg/kg	FE051218.D
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	1	0.32	1.08	mg/kg	FE051218.D
Aliphatic C21-C28	Aliphatic C21-C28	0.86	U	1	0.86	1.44	mg/kg	FE051218.D
Aliphatic C28-C40	Aliphatic C28-C40	7.69		1	1.94	2.16	mg/kg	FE051218.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.72	mg/kg	FF015018.D
Aromatic C12-C16	Aromatic C12-C16	2.11		1	0.37	1.08	mg/kg	FF015018.D
Aromatic C16-C21	Aromatic C16-C21	2.12		1	1.04	1.80	mg/kg	FF015018.D
Aromatic C21-C36	Aromatic C21-C36	2.58	J	1	2.16	2.88	mg/kg	FF015018.D
Total AliphaticEPH	Total AliphaticEPH	8.72			3.80	6.48	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.81			3.89	6.48	mg/kg	
Total EPH	Total EPH	15.5			7.69	13.0	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051218.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	0.41	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.56	J	0.26	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	0.32	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.86	U	0.86	1.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.69		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-05	Acq On:	14 Nov 2024 01:44
Client Sample ID:	SOIL-3	Operator:	YP\AJ
Data file:	FE051218.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	421102	3.01	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1092301	7.767	200	ug/ml
Aliphatic C16-C21	10.188	13.546	909053	6.598	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1037219	7.743	400	ug/ml
Aliphatic C28-C40	17.201	22.043	13755270	106.838	600	ug/ml
Aliphatic EPH	3.138	22.043	17214945	131.957		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	4822095	42.47		ug/ml
Aliphatic C9-C28	3.138	17.200	3459675	25.118	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015018.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.11		0.37	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.12		1.04	1.80	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.58	J	2.16	2.88	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.7		40 - 140	87%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-05	Acq On:	13 Nov 2024 19:07
Client Sample ID:	SOIL-3	Operator:	YP\AJ
Data file:	FF015018.D	Misc:	
Instrument:	FID_F	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	541822	3.505	200	ug/ml
Aromatic C12-C16	6.373	9.063	4499622	29.302	300	ug/ml
Aromatic C16-C21	9.064	13.374	4186325	29.461	500	ug/ml
Aromatic C21-C36	13.375	18.815	4952742	35.879	800	ug/ml
Aromatic EPH	4.508	18.815	14180511	98.147		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	4688162	31.83		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	5816772	43.71		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	3795887	42.56		ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 2:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.07	mg/kg	FE051219.D
Aliphatic C12-C16	Aliphatic C12-C16	0.58	J	1	0.26	0.71	mg/kg	FE051219.D
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	1	0.32	1.07	mg/kg	FE051219.D
Aliphatic C21-C28	Aliphatic C21-C28	1.27	J	1	0.85	1.42	mg/kg	FE051219.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.92	2.13	mg/kg	FE051219.D
Aromatic C10-C12	Aromatic C10-C12	0.45	J	1	0.32	0.71	mg/kg	FF015019.D
Aromatic C12-C16	Aromatic C12-C16	4.10		1	0.36	1.07	mg/kg	FF015019.D
Aromatic C16-C21	Aromatic C16-C21	10.1		1	1.02	1.78	mg/kg	FF015019.D
Aromatic C21-C36	Aromatic C21-C36	14.6		1	2.13	2.85	mg/kg	FF015019.D
Total AliphaticEPH	Total AliphaticEPH	21.2			3.75	6.40	mg/kg	
Total AromaticEPH	Total AromaticEPH	29.3			3.83	6.41	mg/kg	
Total EPH	Total EPH	50.5			7.59	12.8	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051219.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	0.41	1.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.58	J	0.26	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	0.32	1.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.27	J	0.85	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-07	Acq On:	14 Nov 2024 02:13
Client Sample ID:	SOIL-4	Operator:	YP\AJ
Data file:	FE051219.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	3.138	6.755	431903	3.087	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1142258	8.122	200	ug/ml
Aliphatic C16-C21	10.188	13.546	933124	6.773	300	ug/ml
Aliphatic C21-C28	13.547	17.200	2388026	17.828	400	ug/ml
Aliphatic C28-C40	17.201	22.043	34293646	266.362	600	ug/ml
Aliphatic EPH	3.138	22.043	39188957	302.171		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	4869544	42.89		ug/ml
Aliphatic C9-C28	3.138	17.200	4895311	35.81	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015019.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.45	J	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.10		0.36	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.1		1.02	1.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36	14.6		2.13	2.85	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.6		40 - 140	109%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.2		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-07	Acq On:	13 Nov 2024 19:35
Client Sample ID:	SOIL-4	Operator:	YP\AJ
Data file:	FF015019.D	Misc:	
Instrument:	FID_F	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	983824	6.365	200	ug/ml
Aromatic C12-C16	6.373	9.063	8842076	57.58	300	ug/ml
Aromatic C16-C21	9.064	13.374	20256671	142.556	500	ug/ml
Aromatic C21-C36	13.375	18.815	28393433	205.688	800	ug/ml
Aromatic EPH	4.508	18.815	58476004	412.19		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	5314266	36.08		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	7267116	54.61		ug/ml
2-Fluorobiphenyl (SURR)	8.867	8.867	4837517	54.24		ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 2:44	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.12	mg/kg	FE051220.D
Aliphatic C12-C16	Aliphatic C12-C16	0.54	J	1	0.27	0.75	mg/kg	FE051220.D
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	1	0.34	1.12	mg/kg	FE051220.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.50	mg/kg	FE051220.D
Aliphatic C28-C40	Aliphatic C28-C40	9.66		1	2.02	2.25	mg/kg	FE051220.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FF015020.D
Aromatic C12-C16	Aromatic C12-C16	6.17		1	0.38	1.12	mg/kg	FF015020.D
Aromatic C16-C21	Aromatic C16-C21	6.10		1	1.08	1.87	mg/kg	FF015020.D
Aromatic C21-C36	Aromatic C21-C36	2.32	J	1	2.25	2.99	mg/kg	FF015020.D
Total AliphaticEPH	Total AliphaticEPH	10.7			3.95	6.74	mg/kg	
Total AromaticEPH	Total AromaticEPH	14.6			4.05	6.73	mg/kg	
Total EPH	Total EPH	25.3			8.00	13.5	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051220.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.54	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	0.90	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.66		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.4		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-09	Acq On:	14 Nov 2024 02:44
Client Sample ID:	SOIL-5	Operator:	YP\AJ
Data file:	FE051220.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	3.138	6.755	408234	2.918	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1010694	7.187	200	ug/ml
Aliphatic C16-C21	10.188	13.546	900447	6.536	300	ug/ml
Aliphatic C21-C28	13.547	17.200	967484	7.223	400	ug/ml
Aliphatic C28-C40	17.201	22.043	16607250	128.99	600	ug/ml
Aliphatic EPH	3.138	22.043	19894109	152.853		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	5946625	52.38		ug/ml
Aliphatic C9-C28	3.138	17.200	3286859	23.864	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015020.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.17		0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	6.10		1.08	1.87	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.32	J	2.25	2.99	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.6		40 - 140	107%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-09	Acq On:	13 Nov 2024 20:04
Client Sample ID:	SOIL-5	Operator:	YP\AJ
Data file:	FF015020.D	Misc:	
Instrument:	FID_F	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	679529	4.396	200	ug/ml
Aromatic C12-C16	6.373	9.063	12659957	82.443	300	ug/ml
Aromatic C16-C21	9.064	13.374	11579146	81.488	500	ug/ml
Aromatic C21-C36	13.375	18.815	4275524	30.973	800	ug/ml
Aromatic EPH	4.508	18.815	29194156	199.3		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	6658910	45.21		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7133443	53.6		ug/ml
2-Flurobiphenyl (SURR)	8.867	8.867	4689867	52.58		ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
11/13/24 09:40	11/14/24 3:14	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.14	mg/kg	FE051221.D
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	1	0.27	0.76	mg/kg	FE051221.D
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	1	0.34	1.14	mg/kg	FE051221.D
Aliphatic C21-C28	Aliphatic C21-C28	0.91	U	1	0.91	1.52	mg/kg	FE051221.D
Aliphatic C28-C40	Aliphatic C28-C40	9.01		1	2.05	2.28	mg/kg	FE051221.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.76	mg/kg	FF015012.D
Aromatic C12-C16	Aromatic C12-C16	0.39	U	1	0.39	1.14	mg/kg	FF015012.D
Aromatic C16-C21	Aromatic C16-C21	2.38		1	1.09	1.90	mg/kg	FF015012.D
Aromatic C21-C36	Aromatic C21-C36	3.35		1	2.28	3.04	mg/kg	FF015012.D
Total AliphaticEPH	Total AliphaticEPH	10.0			4.01	6.84	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.73	J		4.10	6.84	mg/kg	
Total EPH	Total EPH	15.7			8.11	13.7	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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
FE051221.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.14	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	0.34	1.14	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.91	U	0.91	1.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.01		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-11	Acq On:	14 Nov 2024 03:14
Client Sample ID:	SOIL-6	Operator:	YP\AJ
Data file:	FE051221.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	402252	2.875	300	ug/ml
Aliphatic C12-C16	6.756	10.187	976310	6.942	200	ug/ml
Aliphatic C16-C21	10.188	13.546	856563	6.217	300	ug/ml
Aliphatic C21-C28	13.547	17.200	919929	6.868	400	ug/ml
Aliphatic C28-C40	17.201	22.043	15276947	118.657	600	ug/ml
Aliphatic EPH	3.138	22.043	18432001	141.56		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	3361079	29.6		ug/ml
Aliphatic C9-C28	3.138	17.200	3155054	22.902	1200	ug/ml

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
FF015012.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	U	0.39	1.14	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.38		1.09	1.90	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.35		2.28	3.04	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.8		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4822-11	Acq On:	13 Nov 2024 16:18
Client Sample ID:	SOIL-6	Operator:	YP\AJ
Data file:	FF015012.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	505753	3.272	200	ug/ml
Aromatic C12-C16	6.373	9.063	765591	4.986	300	ug/ml
Aromatic C16-C21	9.064	13.374	4459276	31.382	500	ug/ml
Aromatic C21-C36	13.375	18.815	6092670	44.137	800	ug/ml
Aromatic EPH	4.508	18.815	11823290	83.776		ug/ml
ortho-Terphenyl (SURR)	11.923	11.923	3689427	25.05		ug/ml
2-Bromonaphthalene (SURR)	7.986	7.986	6492062	48.78		ug/ml
2-Fluorobiphenyl (SURR)	8.861	8.861	4317603	48.41		ug/ml

LAB CHRONICLE

OrderID:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-01	SOIL-1	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-03	SOIL-2	Solid	EPH	NJEPH	11/12/24	11/13/24	11/13/24	11/12/24
P4822-05	SOIL-3	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-07	SOIL-4	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-09	SOIL-5	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24
P4822-11	SOIL-6	Solid	EPH EPH	NJEPH NJEPH	11/12/24	11/13/24 11/13/24	11/13/24 11/14/24	11/12/24