

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-1	SDG No.:	O2509
Lab Sample ID:	O2509-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	04/28/23 3:15	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1	1.08	2.12	mg/kg	FE041596.D
Aliphatic C9-C28	Aliphatic C9-C28	1.11	U	1	1.11	4.24	mg/kg	FE041596.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.19	6.36	mg/kg	
Total EPH	Total EPH	9.71			2.19	6.36	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

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J = Estimated Value

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N = Presumptive Evidence of a Compound

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D = Dilution



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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-1	SDG No.:	O2509
Lab Sample ID:	O2509-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041596.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.11	U	1.11	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1.08	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.3		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.6		40 - 140	41%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-2	SDG No.:	O2509
Lab Sample ID:	O2509-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	05/01/23 9:37	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1	1.13	2.22	mg/kg	FC063489.D
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	1	1.16	4.44	mg/kg	FC063489.D
Total AliphaticEPH	Total AliphaticEPH	13.0			2.29	6.66	mg/kg	
Total EPH	Total EPH	13.0			2.29	6.66	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.

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-2	SDG No.:	O2509
Lab Sample ID:	O2509-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC063489.D	1	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	1.16	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1.13	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-3	SDG No.:	O2509
Lab Sample ID:	O2509-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	05/01/23 10:15	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.37		1	1.11	2.18	mg/kg	FC063490.D
Aliphatic C9-C28	Aliphatic C9-C28	4.87		1	1.15	4.37	mg/kg	FC063490.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.26	6.55	mg/kg	
Total EPH	Total EPH	14.2			2.26	6.55	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.

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-3	SDG No.:	O2509
Lab Sample ID:	O2509-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 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
FC063490.D	1	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.87		1.15	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.37		1.11	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.3		40 - 140	81%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-4	SDG No.:	O2509
Lab Sample ID:	O2509-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	04/28/23 4:46	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.62		1	1.11	2.18	mg/kg	FE041599.D
Aliphatic C9-C28	Aliphatic C9-C28	1.15	U	1	1.15	4.36	mg/kg	FE041599.D
Total AliphaticEPH	Total AliphaticEPH	7.62			2.26	6.54	mg/kg	
Total EPH	Total EPH	7.62			2.26	6.54	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.

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Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-4	SDG No.:	O2509
Lab Sample ID:	O2509-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041599.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.15	U	1.15	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.62		1.11	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.0		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-5	SDG No.:	O2509
Lab Sample ID:	O2509-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	04/28/23 5:16	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.23		1	1.10	2.16	mg/kg	FE041600.D
Aliphatic C9-C28	Aliphatic C9-C28	4.96		1	1.13	4.32	mg/kg	FE041600.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.23	6.48	mg/kg	
Total EPH	Total EPH	14.2			2.23	6.48	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.

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Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-5	SDG No.:	O2509
Lab Sample ID:	O2509-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041600.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.96		1.13	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.23		1.10	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.2		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-6	SDG No.:	O2509
Lab Sample ID:	O2509-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
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
04/27/23 10:07	04/28/23 5:46	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.57		1	1.10	2.15	mg/kg	FE041601.D
Aliphatic C9-C28	Aliphatic C9-C28	1.13	U	1	1.13	4.29	mg/kg	FE041601.D
Total AliphaticEPH	Total AliphaticEPH	8.57			2.23	6.44	mg/kg	
Total EPH	Total EPH	8.57			2.23	6.44	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.

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-6	SDG No.:	O2509
Lab Sample ID:	O2509-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041601.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.13	U	1.13	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.57		1.10	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.9		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.8		40 - 140	50%	SPK: 50

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-7	SDG No.:	O2509
Lab Sample ID:	O2509-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 10:07	04/28/23 6:17	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.31		1	1.13	2.21	mg/kg	FE041602.D
Aliphatic C9-C28	Aliphatic C9-C28	4.17	J	1	1.16	4.41	mg/kg	FE041602.D
Total AliphaticEPH	Total AliphaticEPH	12.5			2.29	6.62	mg/kg	
Total EPH	Total EPH	12.5			2.29	6.62	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.

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	HL-7	SDG No.:	O2509
Lab Sample ID:	O2509-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041602.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.17	J	1.16	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.31		1.13	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	21.7		40 - 140	43%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.8		40 - 140	42%	SPK: 50