

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:	WO-5	SDG No.:	O2505
Lab Sample ID:	O2505-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
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
FC063540.D	1	05/03/23	05/03/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	14.0		0.50	2.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	23.0		0.29	1.38	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	311	E	0.44	2.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7470	E	0.95	2.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8270	E	2.11	4.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.7		40 - 140	81%	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:	O2505-08	Acq On:	03 May 2023 22:42
Client Sample ID:	WO-5	Operator:	YP/AJ
Data file:	FC063540.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	3.197	6.484	13427341	101.478	300	ug/ml
Aliphatic C12-C16	6.485	9.878	21736124	166.461	200	ug/ml
Aliphatic C16-C21	9.879	13.237	299084021	2260	300	ug/ml
Aliphatic C21-C28	13.238	16.890	6989015685	54200	400	ug/ml
Aliphatic C28-C40	16.891	21.743	7327545282	60000	600	ug/ml
Aliphatic EPH	3.197	21.743	14650808453	117000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.983	12.983	4393428	40.68		ug/ml
Aliphatic C9-C28	3.197	16.890	7323263171	56800	1200	ug/ml

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:	WO-5DL	SDG No.:	O2505
Lab Sample ID:	O2505-08DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
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
FC063557.D	10	05/03/23	05/04/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	15.5	J	4.97	20.7	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	27.0		2.90	13.8	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	354		4.35	20.7	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9330	E	9.52	27.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9020	E	21.1	41.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.13		40 - 140	103%	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:	O2505-08DL	Acq On:	04 May 2023 17:47
Client Sample ID:	O2505-08DL	Operator:	YP/AJ
Data file:	FC063557.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.197	6.482	1485087	11.224	300	ug/ml
Aliphatic C12-C16	6.483	9.875	2556966	19.582	200	ug/ml
Aliphatic C16-C21	9.876	13.231	34055489	257.24	300	ug/ml
Aliphatic C21-C28	13.232	16.883	872625402	6770	400	ug/ml
Aliphatic C28-C40	16.884	21.732	798923172	6540	600	ug/ml
Aliphatic EPH	3.197	21.732	1709646116	13600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.964	12.964	554471	5.13		ug/ml
Aliphatic C9-C28	3.197	16.883	910722944	7050	1200	ug/ml

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:	WO-5DL2	SDG No.:	O2505
Lab Sample ID:	O2505-08DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
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
FC063558.D	200	05/03/23	05/04/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	99.3	U	99.3	413	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	133	J	57.9	275	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	343	J	86.9	413	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9910		190	551	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10800		422	827	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:	O2505-08DL2	Acq On:	04 May 2023 18:25
Client Sample ID:	O2505-08DL2	Operator:	YP/AJ
Data file:	FC063558.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	200	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.197	6.482	10382	0.078	300	ug/ml
Aliphatic C12-C16	6.483	9.875	630444	4.828	200	ug/ml
Aliphatic C16-C21	9.876	13.231	1647099	12.441	300	ug/ml
Aliphatic C21-C28	13.232	16.883	46315378	359.064	400	ug/ml
Aliphatic C28-C40	16.884	21.732	47618298	389.806	600	ug/ml
Aliphatic EPH	3.197	21.732	96221601	766.217		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	3.197	16.883	48603303	376.411	1200	ug/ml



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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:	WO-5	SDG No.:	O2505
Lab Sample ID:	O2505-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD045575.D	1	05/03/23	05/03/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	11.7		0.31	1.38	mg/kg
Aromatic C12-C16	Aromatic C12-C16	29.1		0.31	2.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	336	E	0.62	3.45	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4650	E	0.81	5.52	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.0		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	O2505-08	Acq On:	03 May 2023 22:42
Client Sample ID:	WO-5	Operator:	YP/AJ
Data file:	FD045575.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.249	5.981	14353879	84.76	200	ug/ml
Aromatic C12-C16	5.982	8.598	33986257	211.272	300	ug/ml
Aromatic C16-C21	8.599	12.867	351593171	2440	500	ug/ml
Aromatic C21-C36	12.868	18.259	4503802623	33700	800	ug/ml
Aromatic EPH	4.249	18.259	4903735930	36400		ug/ml
ortho-Terphenyl (SURR)	11.445	11.445	6496287	36.3		ug/ml
2-Bromonaphthalene (SURR)	7.547	7.547	7799870	53.95		ug/ml
2-Fluorobiphenyl (SURR)	8.403	8.403	4675811	50.14		ug/ml

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:	WO-5DL	SDG No.:	O2505
Lab Sample ID:	O2505-08DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
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
FD045591.D	10	05/03/23	05/04/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.4	J	3.10	13.8	mg/kg
Aromatic C12-C16	Aromatic C12-C16	33.5		3.10	20.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	401		6.21	34.5	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5510	E	8.07	55.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.29		40 - 140	126%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	5.48		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.43		40 - 140	89%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	O2505-08DL	Acq On:	04 May 2023 17:47
Client Sample ID:	O2505-08DL	Operator:	YP/AJ
Data file:	FD045591.D	Misc:	
Instrument:	FID_D	ALS Vial:	60
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.253	5.985	1279352	7.555	200	ug/ml
Aromatic C12-C16	5.986	8.601	3904105	24.269	300	ug/ml
Aromatic C16-C21	8.602	12.869	41875597	290.889	500	ug/ml
Aromatic C21-C36	12.870	18.259	533895668	3990	800	ug/ml
Aromatic EPH	4.253	18.259	580954722	4320		ug/ml
2-Bromonaphthalene (SURRE)	7.543	7.543	909360	6.29		ug/ml
2-Fluorobiphenyl (SURRE)	8.398	8.398	510857	5.48		ug/ml
ortho-Terphenyl (SURRE)	11.437	11.437	793042	4.43		ug/ml

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:	WO-5DL2	SDG No.:	O2505
Lab Sample ID:	O2505-08DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
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
FD045592.D	100	05/03/23	05/04/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	32.5	J	31.0	137	mg/kg
Aromatic C12-C16	Aromatic C12-C16	75.7	J	31.0	206	mg/kg
Aromatic C16-C21	Aromatic C16-C21	186	J	62.1	344	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4920		80.7	551	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	0.00		40 - 140	0%	SPK: 50
321-60-8	2-Fluorobiphenyl (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 Aromatic EPH Range.

Lab Sample ID:	O2505-08DL2	Acq On:	04 May 2023 18:25
Client Sample ID:	O2505-08DL2	Operator:	YP/AJ
Data file:	FD045592.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.253	5.985	398945	2.356	200	ug/ml
Aromatic C12-C16	5.986	8.601	883356	5.491	300	ug/ml
Aromatic C16-C21	8.602	12.869	1943212	13.499	500	ug/ml
Aromatic C21-C36	12.870	18.259	47668096	356.667	800	ug/ml
Aromatic EPH	4.253	18.259	50893609	378.013		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Fluorobiphenyl (SURR)	0.000	0.000	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml