

APPENDIX 3: REQUIRED VPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	<input checked="" type="checkbox"/> Aqueous	<input type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other:
Containers	<input checked="" type="checkbox"/> Satisfactory	<input type="checkbox"/> Broken	<input type="checkbox"/> Leaking	
Sample Preservatives	Aqueous	<input checked="" type="checkbox"/> pH<2	<input type="checkbox"/> pH>	Comment:
	Soil or Sediment	<input type="checkbox"/> Samples NOT preserved in Methanol or air-tight container		mL Methanol/g soil
		<input type="checkbox"/> Samples rec'd in Methanol: <input type="checkbox"/> covering soi <input type="checkbox"/> not covering soil		<input type="checkbox"/> 1:1 +/- 25%
		<input type="checkbox"/> Samples rec'd in air-tight container:		<input type="checkbox"/> Other:
Temperature	<input checked="" type="checkbox"/> Received on Ice	<input type="checkbox"/> Received at 4 °C	<input type="checkbox"/> Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 04-1.1		Client ID		EEG-1	EEG-2	EEG-5	EEG-6
Method for Target Analytes: 8021B		SPL Number		08031008-01A	08031008-02A	08031008-03A	08031008-04A
VPH Surrogate Standards		Date Collected		3/21/2008	3/21/2008	3/21/2008	3/21/2008
PID: 2,5-Dibromotoluene		Date Received		3/25/2008	3/25/2008	3/25/2008	3/25/2008
FID: 2,5-Dibromotoluene		Date Extracted		3/21/2008	3/21/2008	3/21/2008	3/21/2008
		Date Analyzed		3/29/2008	3/29/2008	3/29/2008	3/29/2008
		Dilution Factor		1	1	1	1
		% Moisture (soil)		N/A	N/A	N/A	N/A
RANGE/TARGET ANALYTE	Elution Range	RL	Units				
Unadjusted C5-C8 Aliphatics ¹	N/A	75	ug/L	ND	ND	ND	ND
Unadjusted C9-C12 Aliphatics ¹	N/A	100	ug/L	8.6	ND	ND	ND
Benzene	C5-C8 Aliphatic	5	ug/L	ND	ND	ND	ND
Ethylbenzene	C9-C12 Aliphatic	5	ug/L	ND	ND	ND	ND
Methyl-tert-butylether	C5-C8 Aliphatic	15	ug/L	ND	ND	ND	ND
Naphthalene	N/A	10	ug/L	6.1	4	4.2	ND
Toluene	C5-C8 Aliphatic	15	ug/L	ND	ND	ND	ND
m- & p- Xylenes	C9-C12 Aliphatic	20	ug/L	1.2	0.4	ND	ND
o-Xylene	C9-C12 Aliphatic	10	ug/L	0.76	ND	0.5	ND
C5-C8 Aliphatic Hydrocarbons ^{1,2}	N/A	75	ug/L	ND	ND	ND	ND
C9-C12 Aliphatic Hydrocarbons ^{1,3}	N/A	100	ug/L	ND	ND	ND	ND
C9-C10 Aromatic Hydrocarbons ³	N/A	30	ug/L	7.2	1.4	ND	ND
PID Surrogate %Recovery	N/A	N/A	N/A	106	99.3	95.6	104
FID Surrogate %Recovery	C5-C8 Aliphatic	N/A	N/A	96.3	80.8	82.4	94.2
Surrogate Acceptance Range	N/A	N/A	N/A	70-130%	70-130%	70-130%	70-130%

¹Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
²C₅-C₈ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
³C₉-C₁₂ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C₉-C₁₀ Aromatic Hydrocarbons

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Matrix	<input checked="" type="checkbox"/> Aqueous	<input type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other:
Containers	<input checked="" type="checkbox"/> Satisfactory	<input type="checkbox"/> Broken	<input type="checkbox"/> Leaking:	
Sample	Aqueous	<input checked="" type="checkbox"/> pH ≤ 2	<input type="checkbox"/> pH > 2	Comment:
Preservatives	Soil or Sediment	<input type="checkbox"/> Samples NOT preserved in Methanol or air-tight container <input type="checkbox"/> Samples rec'd in Metri covering soil <input type="checkbox"/> not covering soil <input type="checkbox"/> Samples rec'd in air-tight container		mL Methanol/g soil <input type="checkbox"/> 1:1 +/- 25% <input type="checkbox"/> Other:
Temperature	<input checked="" type="checkbox"/> Received on Ice	<input type="checkbox"/> Received at 4 °C	<input type="checkbox"/> Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 04-1.1		Client ID		MW-3D	GES-4	GES-5	MW-1
Method for Target Analytes: 8021B		SPL Number		08031008-05A	08031008-06A	08031008-07A	08031008-08A
VPH Surrogate Standards		Date Collected		3/21/2008	3/21/2008	3/21/2008	3/21/2008
PID: 2,5-Dibromotoluene		Date Received		3/25/2008	3/25/2008	3/25/2008	3/25/2008
FID: 2,5-Dibromotoluene		Date Extracted		3/21/2008	3/21/2008	3/21/2008	3/21/2008
		Date Analyzed		3/29/2008	3/29/2008	3/29/2008	3/29/2008
		Dilution Factor		1	5	1	1
		% Moisture (soil)		N/A	N/A	N/A	N/A
RANGE/TARGET ANALYTE	Elution Range	RL	Units				
Unadjusted C5-C8 Aliphatics ¹	N/A	75	ug/L	150	6500	ND	ND
Unadjusted C9-C12 Aliphatics ¹	N/A	100	ug/L	8.7	8800	ND	ND
Benzene	C5-C8 Aliphatic	5	ug/L	ND	570	ND	ND
Ethylbenzene	C9-C12 Aliphatic	5	ug/L	ND	710	ND	ND
Methyl-tert-butylether	C5-C8 Aliphatic	15	ug/L	ND	ND	ND	ND
Naphthalene	N/A	10	ug/L	3.8	120	ND	ND
Toluene	C5-C8 Aliphatic	15	ug/L	1.2	3900	ND	ND
m- & p- Xylenes	C9-C12 Aliphatic	20	ug/L	2	3900	ND	ND
o-Xylene	C9-C12 Aliphatic	10	ug/L	1.5	2000	ND	ND
C5-C8 Aliphatic Hydrocarbons ^{1,2}	N/A	75	ug/L	148.8	2030	ND	ND
C9-C12 Aliphatic Hydrocarbons ^{1,3}	N/A	100	ug/L	ND	ND	ND	ND
C9-C10 Aromatic Hydrocarbons ¹	N/A	30	ug/L	3.4	2800	2.3	ND
PID Surrogate %Recovery	N/A	N/A	N/A	91.7	98.9	82.3	106
FID Surrogate %Recovery	C5-C8 Aliphatic	N/A	N/A	81.2	83.2	70.7	92.1
Surrogate Acceptance Range	N/A	N/A	N/A	70-130%	70-130%	70-130%	70-130%

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²C₅-C₈ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

³C₉-C₁₂ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C₉-C₁₀ Aromatic Hydrocarbons

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SAMPLE INFORMATION

Matrix	<input checked="" type="checkbox"/> Aqueous	<input type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other:	
Containers	<input checked="" type="checkbox"/> Satisfactory	<input type="checkbox"/> Broken	<input type="checkbox"/> Leaking:		
Sample Preservatives	Aqueous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> pH<2	<input type="checkbox"/> pH>2	Comment:
	Soil or Sediment	<input type="checkbox"/> Samples NOT preserved in Methanol or air-tight container			mL Methanol/g soil
		<input type="checkbox"/> Samples rec'd in Meth: <input type="checkbox"/> covering soil <input type="checkbox"/> not covering soil			<input type="checkbox"/> 1:1 +/- 25%
Temperature	<input checked="" type="checkbox"/> Received on Ice	<input type="checkbox"/> Received at 4 °C	<input type="checkbox"/> Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 04-1.1		Client ID		MW-5				
Method for Target Analytes: 8021B		SPL Number		08031008-09A				
VPH Surrogate Standards PID: 2,5-Dibromotoluene FID: 2,5-Dibromotoluene		Date Collected		3/21/2008				
		Date Received		3/25/2008				
		Date Extracted		3/21/2008				
		Date Analyzed		3/29/2008				
		Dilution Factor		1				
		% Moisture (soil)		N/A				
RANGE/TARGET ANALYTE	Elution Range	RL	Units					
Unadjusted C5-C8 Aliphatics ¹	N/A	75	ug/L	ND				
Unadjusted C9-C12 Aliphatics ¹	N/A	100	ug/L	180				
Benzene	C5-C8 Aliphatic	5	ug/L	ND				
Ethylbenzene	C9-C12 Aliphatic	5	ug/L	ND				
Methyl-tert-butylether	C5-C8 Aliphatic	15	ug/L	ND				
Naphthalene	N/A	10	ug/L	3.8				
Toluene	C5-C8 Aliphatic	15	ug/L	ND				
m- & p- Xylenes	C9-C12 Aliphatic	20	ug/L	ND				
o-Xylene	C9-C12 Aliphatic	10	ug/L	ND				
C3-C8 Aliphatic Hydrocarbons ^{1,2}	N/A	75	ug/L	ND				
C9-C12 Aliphatic Hydrocarbons ^{1,3}	N/A	100	ug/L	ND				
C9-C10 Aromatic Hydrocarbons ¹	N/A	30	ug/L	390				
PID Surrogate %Recovery	N/A	N/A	N/A	87.6				
FID Surrogate %Recovery	C5-C8 Aliphatic	N/A	N/A	76.1				
Surrogate Acceptance Range	N/A	N/A	N/A	70-130%	70-130%	70-130%	70-130%	

¹Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

²C₅-C₈ Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

³C₉-C₁₂ Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C₉-C₁₀ Aromatic Hydrocarbons

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	C5-C7 Aliphatic	C9-C12 Aliphatic	C9-C10 Aromatic
Percent Recovery - Matrix (Spike) - PID	N/A	N/A	N/A
Relative Percent Difference - PID Duplicate	N/A	N/A	N/A
Percent Recovery - Matrix (Spike) - FID	N/A	N/A	N/A
Relative Percent Difference - FID Duplicate	N/A	N/A	N/A
Percent Recovery - Fortified Blank (Spike) - PID	N/A	N/A	N/A
Percent Recovery - Fortified Blank (Spike) - FID	N/A	N/A	N/A

COMMENTS:

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to be best of my knowledge and belief, accurate and complete

SIGNATURE: Rebecca Harvett POSITION: Group Leader

PRINTED NAME: REBECCA HARVETT DATE: 4/7/08