Environmental Conservation Laboratories, Inc.
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www.encolabs.com

Tuesday, December 4, 2012

S&ME, Inc. (SM001)

Attn: Whit Rawls

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Haught POE
ENCO Workorder(s): C213110

Dear Whit Rawls,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, November 16, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 14.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	Influent	Lab ID: C213110-01	Sampled: 11/14/12 12:38	Received: 11/16/12 08:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/28/12	11/20/12 09:02	11/21/2012 04:23

Client ID:	Effluent	Lab ID: C213110-02	Sampled: 11/14/12 12:40	Received: 11/16/12 08:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/28/12	11/20/12 09:02	11/21/2012 04:52

SAMPLE DETECTION SUMMARY

Client ID:	Influent		Lab ID:	C213110-01			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	1.0		0.13	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	7.8		0.21	1.0	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: Influent
Matrix: Water
Project: Haught POE

Lab Sample ID: C213110-01
Sampled: 11/14/12 12:38
Sampled By: Jimmy Lee

Received: 11/16/12 08:10
Work Order: C213110

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.0**		ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,1-Dichloroethene [75-35-4] ^	**7.8**		ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.01	U	ug/L	1	0.01	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
1,4-Dioxane [123-91-1] ^	25	U	ug/L	1	25	60	2K20005	EPA 8260B	11/21/12 04:23	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Carbon Tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Cyclohexane [110-82-7] ^	0.36	U	ug/L	1	0.36	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Freon 113 [76-13-1] ^	0.35	U	ug/L	1	0.35	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Isopropylbenzene [98-82-8] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Methyl acetate [79-20-9] ^	0.51	U	ug/L	1	0.51	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Methyl cyclohexane [108-87-2] ^	0.54	U	ug/L	1	0.54	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Methylene Chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
o-Xylene [95-47-6] ^	0.06	U	ug/L	1	0.06	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	

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Description: Influent | **Lab Sample ID:** C213110-01 | **Received:** 11/16/12 08:10

Matrix: Water | **Sampled:** 11/14/12 12:38 | **Work Order:** C213110

Project: Haught POE | **Sampled By:** Jimmy Lee

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2K20005	EPA 8260B	11/21/12 04:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*2K20005*	*EPA 8260B*	*11/21/12 04:23*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*2K20005*	*EPA 8260B*	*11/21/12 04:23*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*67-127*	*2K20005*	*EPA 8260B*	*11/21/12 04:23*	*JKG*	

Description: Influent
Matrix: Water
Project: Haught POE

Lab Sample ID: C213110-01
Sampled: 11/14/12 12:38
Sampled By: Jimmy Lee

Received: 11/16/12 08:10
Work Order: C213110

Tentatively Identified Compounds by Volatile GCMS

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds [NA]	0.0	U	ug/L	1			2K20005	EPA 8260B	11/21/12 04:23	JKG	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Effluent | **Lab Sample ID:** C213110-02 | **Received:** 11/16/12 08:10

Matrix: Water | **Sampled:** 11/14/12 12:40 | **Work Order:** C213110

Project: Haught POE | **Sampled By:** Jimmy Lee

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.01	U	ug/L	1	0.01	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
1,4-Dioxane [123-91-1] ^	25	U	ug/L	1	25	60	2K20005	EPA 8260B	11/21/12 04:52	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Carbon Tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Cyclohexane [110-82-7] ^	0.36	U	ug/L	1	0.36	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Freon 113 [76-13-1] ^	0.35	U	ug/L	1	0.35	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Isopropylbenzene [98-82-8] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Methyl acetate [79-20-9] ^	0.51	U	ug/L	1	0.51	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Methyl cyclohexane [108-87-2] ^	0.54	U	ug/L	1	0.54	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Methylene Chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
o-Xylene [95-47-6] ^	0.06	U	ug/L	1	0.06	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	

Description: Effluent | **Lab Sample ID:** C213110-02 | **Received:** 11/16/12 08:10
Matrix: Water | **Sampled:** 11/14/12 12:40 | **Work Order:** C213110
Project: Haught POE | **Sampled By:** Jimmy Lee

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2K20005	EPA 8260B	11/21/12 04:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*51-122*	*2K20005*	*EPA 8260B*	*11/21/12 04:52*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*2K20005*	*EPA 8260B*	*11/21/12 04:52*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*103 %*	*67-127*	*2K20005*	*EPA 8260B*	*11/21/12 04:52*	*JKG*	

Description: Effluent
Matrix: Water
Project: Haught POE

Lab Sample ID: C213110-02
Sampled: 11/14/12 12:40
Sampled By: Jimmy Lee

Received: 11/16/12 08:10
Work Order: C213110

Tentatively Identified Compounds by Volatile GCMS

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds [NA]	0.0	U	ug/L	1			2K20005	EPA 8260B	11/21/12 04:52	JKG	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K20005 - EPA 5030B_MS

Blank (2K20005-BLK1) Prepared: 11/20/2012 09:02 Analyzed: 11/20/2012 23:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.01	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
1,4-Dioxane	25	U	60	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon Tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Cyclohexane	0.36	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Freon 113	0.35	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methyl acetate	0.51	U	1.0	ug/L							
Methyl cyclohexane	0.54	U	1.0	ug/L							
Methylene Chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
o-Xylene	0.06	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K20005 - EPA 5030B_MS

Blank (2K20005-BLK1) Continued Prepared: 11/20/2012 09:02 Analyzed: 11/20/2012 23:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*51-122*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*67-127*			

LCS (2K20005-BS1) Prepared: 11/20/2012 09:02 Analyzed: 11/21/2012 08:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	75-133			
Benzene	20		1.0	ug/L	20.0		101	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	21		1.0	ug/L	20.0		105	74-119			
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*51-122*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*107*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*67-127*			

Matrix Spike (2K20005-MS1) Prepared: 11/20/2012 09:02 Analyzed: 11/21/2012 00:28

Source: C213374-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	30		1.0	ug/L	20.0	0.21 U	150	75-133			QM-07
Benzene	26		1.0	ug/L	20.0	0.15 U	129	81-134			
Chlorobenzene	27		1.0	ug/L	20.0	0.17 U	136	83-117			QM-07
Toluene	26		1.0	ug/L	20.0	0.14 U	129	71-118			QM-07
Trichloroethene	27		1.0	ug/L	20.0	0.15 U	135	74-119			QM-07
Surrogate: 4-Bromofluorobenzene	*56*			*ug/L*	*50.0*		*112*	*51-122*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*105*	*67-127*			

Matrix Spike Dup (2K20005-MSD1) Prepared: 11/20/2012 09:02 Analyzed: 11/21/2012 00:58

Source: C213374-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	29		1.0	ug/L	20.0	0.21 U	147	75-133	2	20	
Benzene	26		1.0	ug/L	20.0	0.15 U	128	81-134	0.9	17	
Chlorobenzene	27		1.0	ug/L	20.0	0.17 U	134	83-117	2	16	QM-07
Toluene	26		1.0	ug/L	20.0	0.14 U	128	71-118	1	17	QM-07
Trichloroethene	26		1.0	ug/L	20.0	0.15 U	129	74-119	5	22	QM-07
Surrogate: 4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*110*	*51-122*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*104*	*67-127*			

Tentatively Identified Compounds by Volatile GCMS - Quality Control

QUALITY CONTROL

Batch 2K20005 - EPA 5030B_MS

Blank (2K20005-BLK1) Prepared: 11/20/2012 09:02 Analyzed: 11/20/2012 23:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tentatively Identified Compounds	**0.0**	**U**		ug/L							

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES — CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name: S&ME, Inc. (SM001)	Project Number: [none]
Address: 3201 Spring Forest Road	Project Name/Desc: Haught POE
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Whit Rawls
Sampler(s) Name, Affiliation (Print): Jimmy Lee Goshell S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Analyses: [NO ANALYSES]; 8260B TCL SOM01.2 8260B TICs

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

√ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C213110

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)										Sample Comments
1	Influent	11-14-12	12:38	Grab	WA	3		X									
2	Effluent	11-14-12	12:40	Grab	WA	3		X									
	~~Trip Blank~~				WA	3		X									
	Trip Blank				WA	2	X										
						8	<-- Total # of Containers										

Sample Kit Prepared By / Date/Time	Relinquished By / Date/Time: 11/15/12 1445	Received By / Date/Time: 11/15/12 1615	
Comments/Special Reporting Requirements	Relinquished By / Date/Time: 11/15/12 1630	Received By / Date/Time: 11/16/12 845	
	Relinquished By / Date/Time	Received By / Date/Time	
	Cooler #'s & Temps on Receipt: 1.9°C	Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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